

SHARP SERVICE MANUAL

No. S6433XLDV50U/

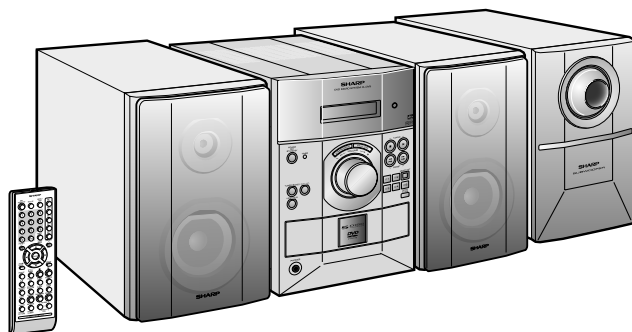


Illustration XL-DV5



DVD MICRO SYSTEM

MODEL XL-DV5

XL-DV5 DVD Micro System consisting of XL-DV5 (main unit), CP-DV5F (front speakers) and CP-DV5SW(subwoofer).

MODEL XL-DV50

XL-DV50 DVD Micro System consisting of XL-DV50 (main unit), CP-DV50F (front speakers) and CP-DV50SW(subwoofer).

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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Parts Guide

CHAPTER 1. GENERAL DESCRIPTION

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

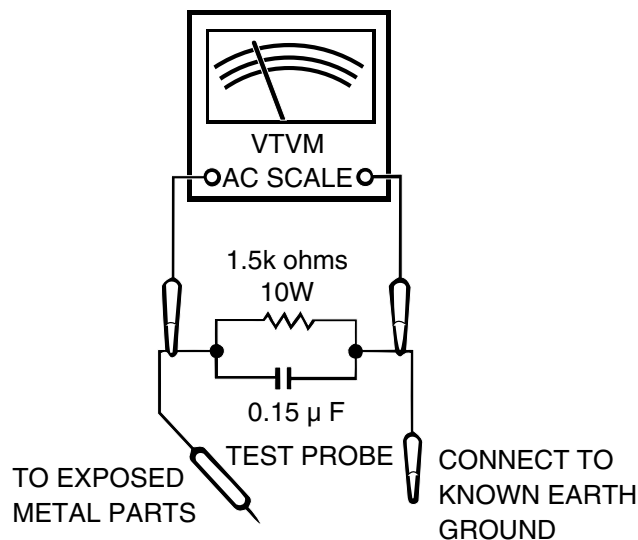
[1] IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - * Plug the AC line cord directly into a 120 volt AC outlet.
 - * Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
 - * Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
 - * Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

[2] SPECIFICATIONS

■ General

Power source	AC 120 V, 60 Hz
Power consumption	108 W
Dimensions	Width: 6-5/16" (160 mm) Height: 9-7/16" (240mm) Depth: 11-13/16" (300 mm)
Weight	13.0 lbs. (5.9 kg)

■ Amplifier

Output power	Front speakers: 30 watts minimum RMS per channel into 6 ohms from 100 Hz to 20 kHz, 10% total harmonic distortion Subwoofer: 40 watts minimum RMS into 6 ohms from 70 Hz to 130 Hz, 10% total harmonic distortion
Audio output terminals	Front speakers and subwoofer: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Optical digital output: Square type × 1
Audio input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms
Video output terminals	Video output: RCA type × 1 S-video output: S-terminal × 1 Component video output: RCA type × 1

■ DVD player

Type	5-disc multi-play compact disc player	
Signal readout	NTSC color	
Supported disc types	DVD (region number 1, ALL), video CD, audio CD, CD-R, CD-RW	
Video signal	Horizontal resolution: 500 lines S/N ratio: 75 dB	
Audio signal	Frequency characteristics	Linear PCM DVD: 30 Hz to 20 kHz (sampling rate: 48 kHz) 30 Hz to 20 kHz (sampling rate: 96 kHz) CD: 30 Hz to 20 kHz
	S/N ratio	CD: 95 dB (1 kHz)
	Dynamic range	Linear PCM DVD: 92 dB CD: 92 dB
	Total harmonic distortion ratio	0.14 %

■ Tuner

Frequency range	FM: 87.5 - 108 MHz AM: 530 - 1,720 kHz
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■ Front speaker

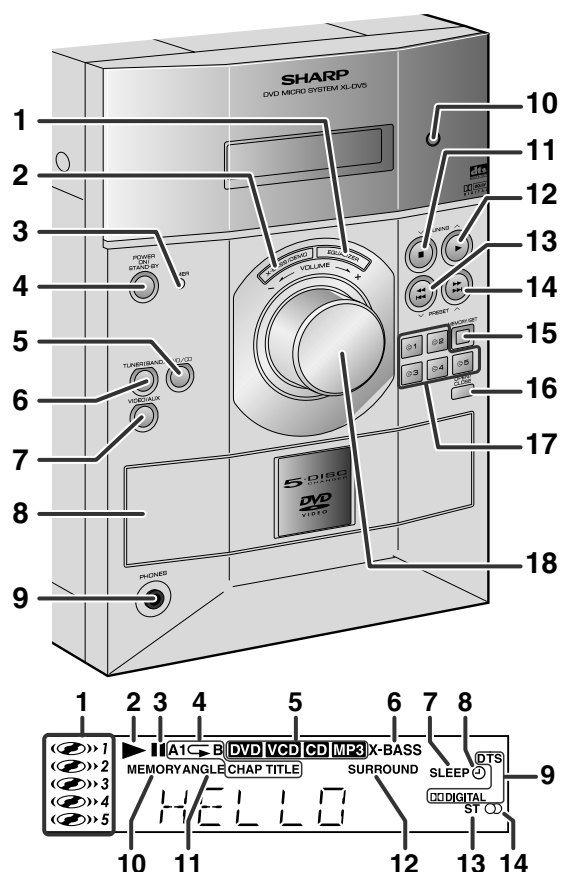
Type	2-way type speaker system (Magnetic shield) 1.5" (4 cm) tweeter 4" (10 cm) woofer
Maximum input power	60 W
Rated input power	30 W
Impedance	6 ohms
Dimensions	Width: 6-1/2" (165 mm) Height: 9-7/16" (240 mm) Depth: 10-7/16" (265mm)
Weight	5.5 lbs. (2.5 kg)/each

■ Subwoofer

Type	6" (15 cm) subwoofer system (Magnetic shield)
Maximum input power	80 W
Rated input power	40 W
Impedance	6 ohms
Dimensions	Width: 6-5/16" (160 mm) Height: 9-7/16" (240 mm) Depth: 10-5/8" (270 mm)
Weight	6.4 lbs. (2.9 kg)/each

Specifications for this model are subject to change without prior notice.

[3] NAMES OF PARTS

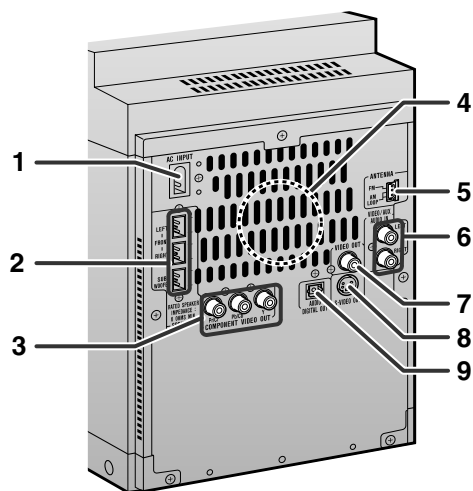


■ Front panel

1. Equalizer Mode Select Button
2. Extra Bass/Demo Mode Button
3. Timer Indicator
4. Power On/Stand-by Button
5. DVD/CD Button
6. Tuner (Band) Button
7. Video/Auxiliary Button
8. Disc Compartment
9. Headphone Jack
10. Remote Sensor
11. Stop or Tuning Down Button
12. Play or Tuning Up Button
13. Chapter (Track) Skip Down or Fast Reverse, Tuner Preset Down Button
14. Chapter (Track) Skip Up or Fast Forward, Tuner Preset Up Button
15. Memory/Set Button
16. Disc Compartment Open/Close Button
17. Disc Number Select Buttons
18. Volume Control

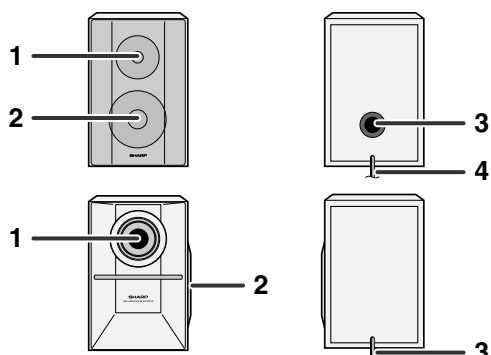
■ Display

1. Disc Number Indicators
2. Play Indicator
3. Pause Indicator
4. Repeat Play Indicators
5. Disc Type Indicators
6. Extra Bass Indicator
7. Sleep Indicator
8. Timer Play Indicator
9. Sound Mode Indicators
10. Memory Indicator
11. Angle Indicator
12. Surround Mode Indicator
13. FM Stereo Mode Indicator
14. FM Stereo Receiving Indicator



■ Rear panel

1. AC Power Input Jack
2. Speaker Terminals
3. Component Video Output Jacks
4. Cooling Fan
5. FM/AM Loop Antenna Jack
6. Video/Auxiliary (Audio Signal) Input Jacks
7. Video Output Jack
8. S-video Output Jack
9. Optical Digital Audio Output Jack

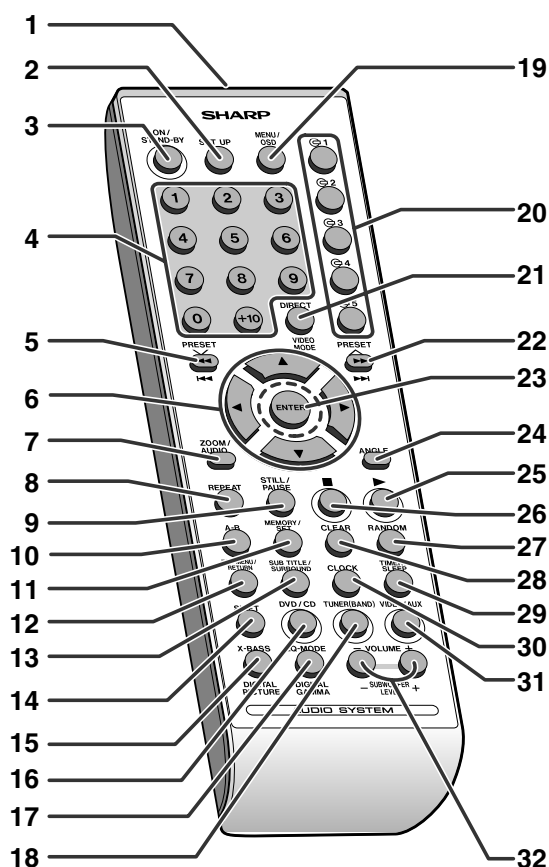


■ Front speaker

1. Tweeter
2. Woofer
3. Bass Reflex Duct
4. Speaker Wire

■ Subwoofer

1. Sub Duct Pipe
2. Subwoofer
3. Speaker Wire



■ Remote control

1. Remote Control Transmitter
2. DVD Setup Button
3. Power On/Stand-by Button
4. Direct Number Buttons
5. Chapter (Track) Skip Down or Fast Reverse, Tuner Preset Down, Time Down Button
6. Cursor Buttons
7. Zoom or Audio Select Button
8. Repeat Play Button
9. Frame Advance or Pause Button
10. A - B Repeat Button
11. Memory/Set Button
12. Top Menu or Return Button
13. Subtitle or Surround Mode Select Button
14. Shift Button
15. Extra Bass or Digital Picture Select Button
16. DVD/CD Button
17. Equalizer Mode Select or Digital Gamma Button
18. Tuner (Band) Button
19. Menu or On Screen Display Select Button
20. Disc Number Select Buttons
21. Direct or Video Mode Select Button
22. Chapter (Track) Skip Up or Fast Forward, Tuner Preset Up, Time Up Button
23. Enter Button
24. Angle Select Button
25. Play Button
26. Stop Button
27. Random Button
28. Clear Button
29. Timer/Sleep Button
30. Clock Button
31. Video/Auxiliary Button
32. Volume or Subwoofer Level Up and Down Buttons

CHAPTER 2. ADJUSTMENTS

[1] ADJUSTMENT

1. TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	—	530 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	T302	*3

*1. Input: IC301 1Pin Output: IC301 23Pin

*2. Input: Input is not connected Output: TP-VT(IC301 28Pin)

*3. Input: Antenna Output: IC301 23Pin

• Check FM VT

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Check Point	Instrument Connection
87.5 MHz	87.5 MHz	3.4V ± 1.0V	TP-VT
108 MHz	108 MHz	7.8V ± 1.0V	TP-VT

• FM Mute Level

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz (30 dB μ V)	98.00 MHz	VR351	Input: Antenna Output: Speaker Terminal

• FM Detection

Signal generator: 10.7 MHz FM sweep generator

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM IF	10.7 MHz	98.00 MHz	T304	Input: Pin 1 of IC301 Output: Pin 18 of IC303

• FM RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM OSC.	—	87.50 MHz	(fL): L303 3.4 ± 0.1 V	*1
FM RF	98.00 MHz (10 ~ 20dB)	98.00 MHz	L302	*1

*1. Input: Antenna Output: 18 Pin of IC303

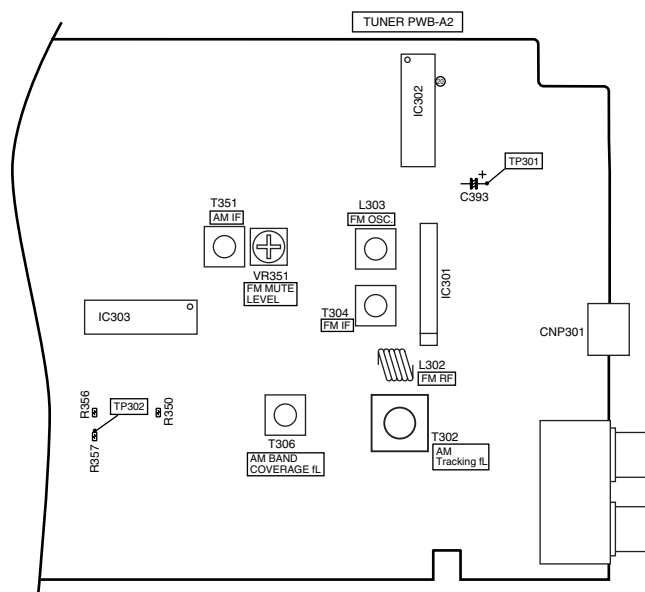


Figure 1 ADJUSTMENT POINTS

2. DVD/CD SECTION

• Adjustment

Since this DVD/CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

[2] TEST MODE

The test mode applied to this microcomputer has three modes, namely the ordinary test mode for adjustment or measurement, the aging test mode, and the self-diagnosis test mode for self-judgment in case of final product inspection.

1. Turning on the test mode

For obtaining each test mode, press the Power ON/STAND BY button, while keeping pressing the following two buttons in the ordinary stand-by mode (power off). In this case, the main unit buttons are valid. When turning the POWER on with remote control buttons, test modes are not obtained.

[Ordinary test mode]

1. Tuner Test Mode (TEST 2).....
TUNER(BAND) + DISC1
2. Electronic Volume Test Mode (TEST 3).....
TUNING DOWN + VOLUME UP
3. Timer Test Mode (TEST 4).....
TUNING UP + DISC5
4. FL Test Mode (TEST 5).....
PRESET DOWN + VOLUME DOWN
5. DVD MECHANISM Aging Test Mode (TEST 8).....
DVD/CD + Equalizer

[Self-diagnosis Test Mode]

1. Button input diagnosis test mode (TEST 6).....
PRESET UP + DISC5

Processes are different depending on destinations at initial settings.

2. Tuner Test Mode (TEST 2)

1. Outline of tuner (radio) test mode

The tuner test mode is intended to store the adjustment and measurement frequencies in the preset memory CH. When adjusting the tuner section in the production line, adjusting personnel are not required to set frequency.

2. Details of tuner test mode

Press the "TUNER(BAND)" and "VOLUME UP" buttons in POWER OFF state and turn on the power by the use of "POWER ON/STAND BY" button to preset and store frequency for adjustment and measurement of destination specified by the AREA terminal in the preset memory CH. However, Ordinary 1 and Ordinary 2 are stored in the destinations when the test mode is obtained.

(As for frequencies to be preset and stored for each destination, refer to item 3.)

The tuner test mode is started from preset No.1.

The operations of test mode are identical with the ordinary operations of TUNER function. FUNCTION switching is invalid.

It is necessary to discard the content of preset memory when the tuner test mode is ended; be sure to write "0000" or "1111" bits in the memory to be checked for judging memory error at initial setting and to initialize memory.

When the tuner test mode is obtained, the following display lights for one second.

TEST - 2

- The TUNER TEST 2 mode is obtained with >> + MEMORY/SET + POWER ON/STAND-BY. ->Turn off AC in the TEST 2 mode to restore the initial state.



Turn off POWER to protect the memory of TEST 2 mode.

Turn off POWER again to obtain the ordinary operation while the data is stored in the memory (besides TUNER).



If AC OFF state is maintained in this state for about 1/2 day, start is executed in the initial state.

- To clear the whole memory, insert the AC cord, pressing MEMORY/SET + PLAY.

3. Preset frequencies for various destinations
(random preset memory)

CH	BAND	FM
1	FM STEREO	FM 87.5 MHz
2		FM108.0 MHz
3		FM 98.0 MHz
4		FM 90.0 MHz
5		FM106.0 MHz

CH	BAND	FM
6	AM	AM 530 kHz
7		AM1720 kHz
8		AM 990 kHz
9		AM 600 kHz
10		AM1400 kHz

CH	BAND	FM
16-35		_____
36	FM MONO	FM106.0 MHz
37		FM 90.0 MHz
38		FM 98.0 MHz
39		FM108.0 MHz
40		FM 87.5 MHz

- The slant line sections of the table store no memory.

3. Electronic volume Test Mode (TEST 3)

When this test mode is obtained, the following display lights for one second.

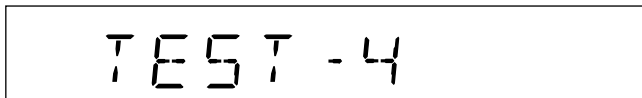
TEST - 3

In this mode, volume is Volume -14 dB (STEP 23), FLAT AND X-BASS ON, and start-up function to DVD/CD, respectively. The button operations in the test mode are the same as those of ordinary operation except volume UP/DOWN.

- 1) The display is the same as that of ordinary operation except test mode setting.
- 2) Unlike the ordinary state, the volume is controlled with the volume UP/DOWN button in accordance with the following three steps.
Volume- ∞ (STEP 0) <-> Volume-14 dB (STEP 23) <-> Volume-0 (STEP 30)
- 3) X-BASS is switched when button is pressed.

4. Timer test Mode (TEST 4)

When this test mode is obtained, the following display lights for one second.



Set the current time and timer time according to the following procedure to reproduce the timer.

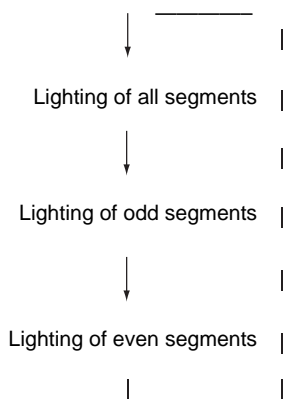
1. Set the current time to 1:00, the timer to ON time 1:05, the function to DVD/CD, and volume to STEP 12, respectively. One minute is counted as one second, and the timer is reproduced. The fade-in (when playback is started) is executed at a rate of one step for 1 sec. After completion of fade-in, the fade-out is executed at a rate of one step for 1 sec (WAIT 1 sec inserted).

After completion of fade-out, the power is turned off (after WAIT 1 sec), and the mode is shifted to the standby.

The display during operation is the same as that of ordinary timer operation.

5. FL Test Mode (TEST 5)

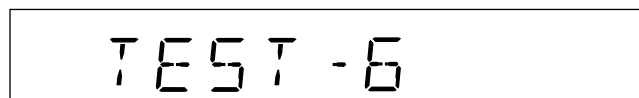
When the FL test mode is obtained, all the FL segments are lighted. Then pressing the "PLAY" button switches display as below.



6. Button input diagnosis Test Mode (TEST 6)

When the test mode is obtained, the following is displayed.

(STAND-BY AND DEMO OFF STATUS)



This test mode is intended to check whether all the main unit buttons can be detected. Accordingly, in this test mode, it is checked whether the "POWER ON/STAND BY" button was pressed after all the buttons shown below were pressed. If the result is OK, OK is displayed. If any one of keys was not pressed, an error is displayed. In both cases of OK termination or error termination, the mode is shifted to the standby mode if the "POWER ON/STAND BY" button is pressed subsequently.

All models using this type of microcomputer are not always provided with the same buttons. Since the buttons used are different depending on models, types of buttons to be used are determined by whether SURROUND, and an electric lid are available at the initial setting by MODEL port.

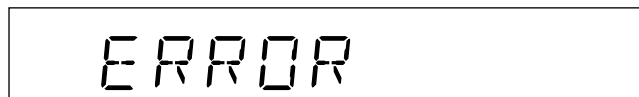
The order of buttons to be pressed is not determined. Accordingly, it is checked whether all buttons have been pressed.

1. PU-IN buttons: REW/PRESET DOWN + STOP

Since this model is provided with SURROUND (HAVE OR NOT), and electric DVD/CD lid, the following 10 buttons are detected as all buttons.

PLAY, X-BASS/DEMO, FUNCTION, VOLUME UP/DOWN, MEMORY/SET, REW, FF, STOP, DVD/CD-OPEN/CLOSE

The OK/ERROR display of test result is as follows.



7. DVD MECHANISM Aging Test Mode (TEST 8)

OPEN/CLOSE & 3 DISC CHANGER aging test.

DISPLAY:

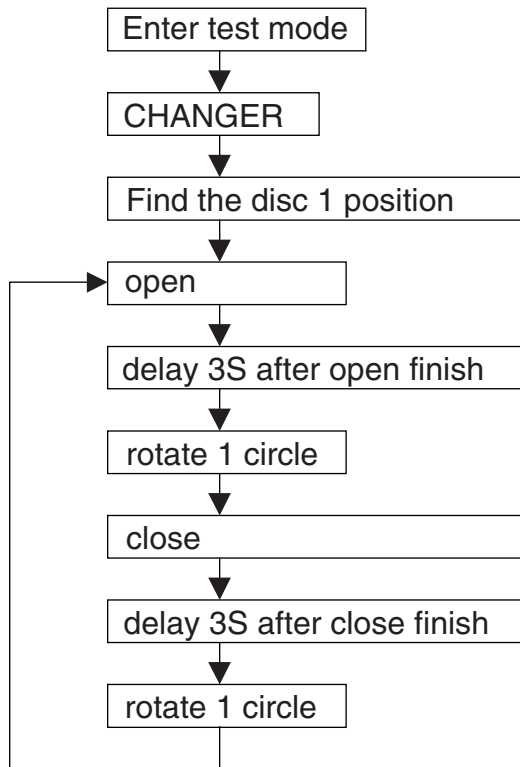
TEST - 8

FUNCTION:

Enter the TEST MODE 8, MCU control the 3 DISC CHANGER OPEN/CLOSE. After open finished, tray rotate 1 circle (360 degree). Then close, After close finished, tray rotate 1 circle (360 degree) again.

Request:

Every period include 4 operation. Below is TIMING:



CHAPTER 3. MECHANICAL DESCRIPTION

[1] REMOVING AND REINSTALLING THE MAIN PARTS

1. How to remove DVD/CD Disc manually (See Fig. 1,2)

Perform steps 1 to 7 of the disassembly method to remove the DVD Changer unit.(see page 3-2,3-3)

1. Rotate the gear cam until the arm switch C becomes the position of the Figure 1.
2. Pull the drawer to the front like the Figure 2.
And the DVD/CD disc on the carriage is taken out.

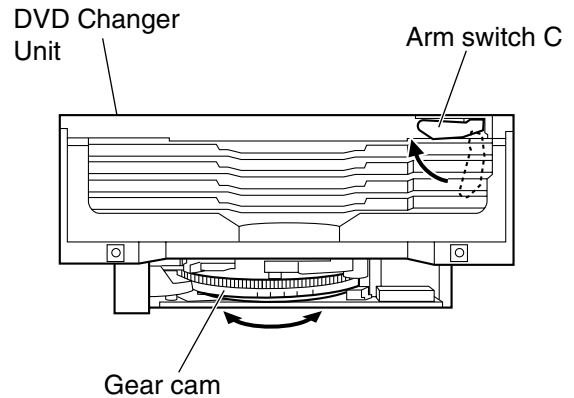


Figure 1

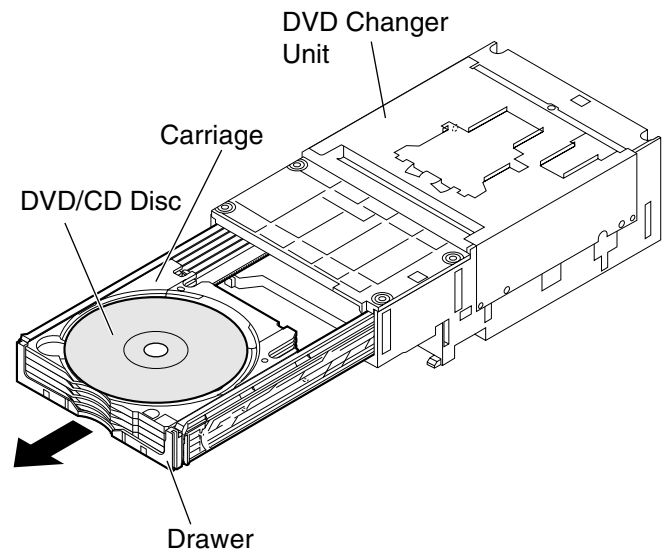


Figure 2

[2] DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

- 1) Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
- 2) Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
- 3) Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw.....(A1) x 5	1
2	Side Panel	1. Screw.....(B1) x 8	1
3	Rear Panel/Main PWB	1. Screw.....(C1) x 6 2. Socket.....(C2) x 2	2
4	Tuner PWB	1. Screw.....(D1) x 3 2. Socket.....(D2) x 3	2
5	Main PWB	1. Screw.....(E1) x 7 2. Socket.....(E2) x 8	3
6	Transformer	1. Screw.....(F1) x 4	4
7	Front Panel/DVD Tray Cover	1. Screw.....(G1) x 2 2. Flat cable.....(G2) x 1 3. Socket.....(G3) x 1 4. DVD Tray cover.....(G4) x 1	5
8	Chassis	2. Screw.....(H1) x 6	6
9	DVD PWB (Note 1)	1. Flat cable.....(J1) x 1 2. Socket.....(J2) x 1 3. Screw.....(J3) x 3 4. Screw.....(J4) x 4	7
10	DVD Changer Unit	1. Screw.....(K1) x 6	7
11	DVD Mechanism	1. Screw.....(L1) x 4	7
12	Display PWB	1. Knob.....(M1) x 1 2. Screw.....(M2) x 10	8
13	Headphones PWB	1. Screw.....(N1) x 1	8

Note 1:

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

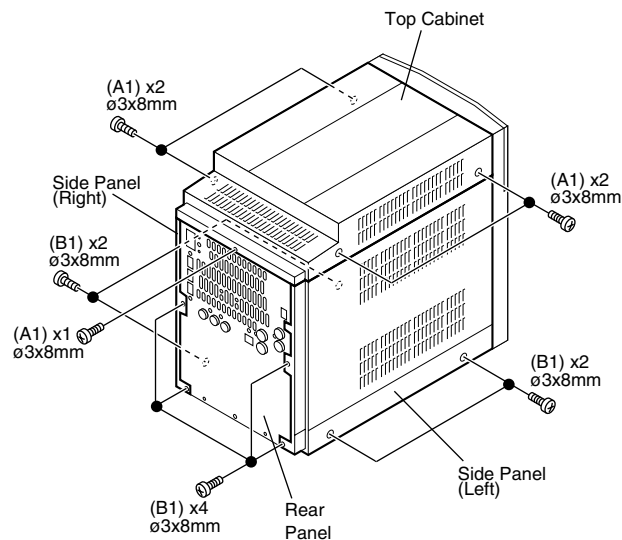


Figure 1

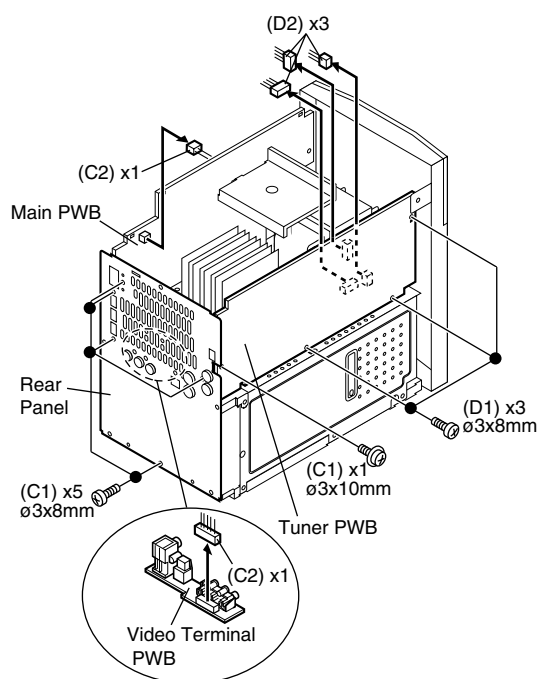


Figure 2

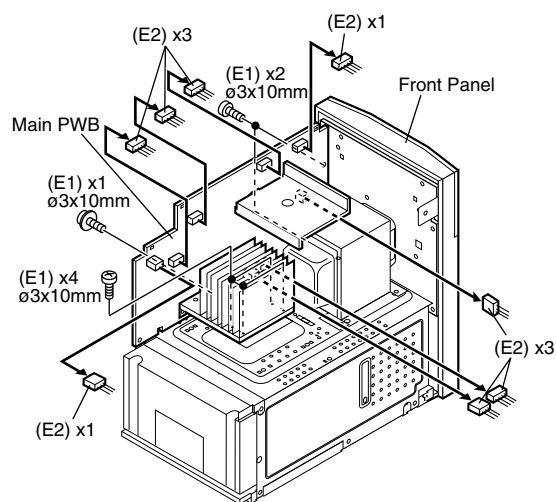


Figure 3

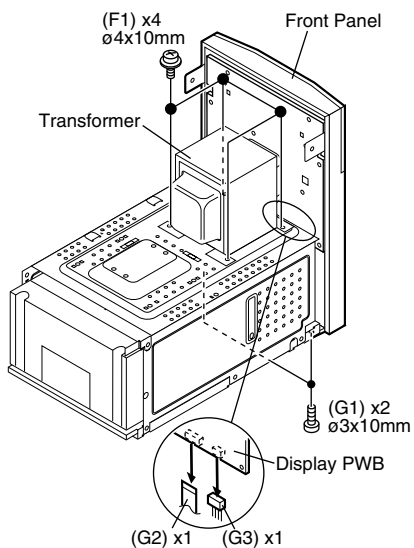


Figure 4

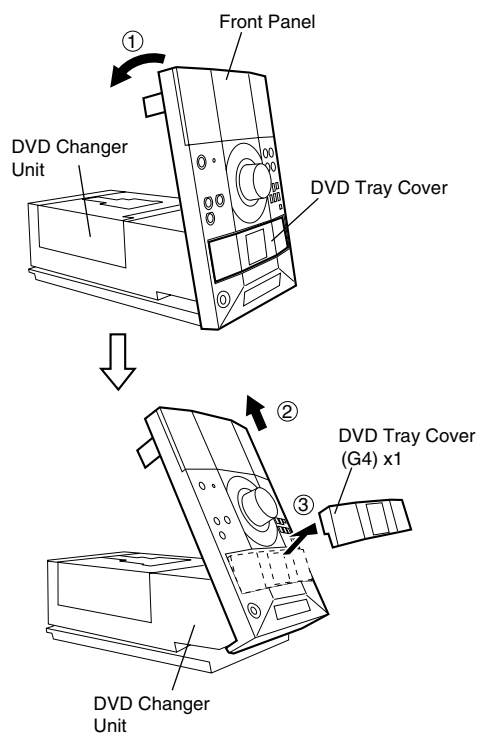


Figure 5

CP-DV5F/DV50F, CP-DV5SW/DV50SW

These speaker CP-DV5F/DV50F, CP-DV5SW/DV50SW are available in assemblies only and may not be disassembled.

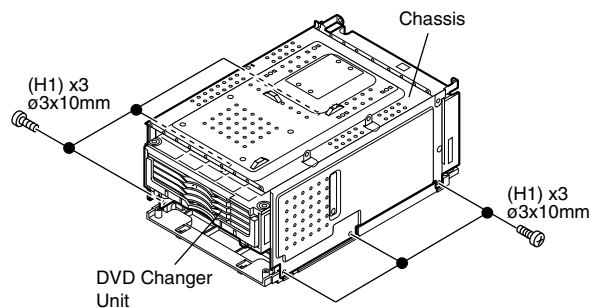


Figure 6

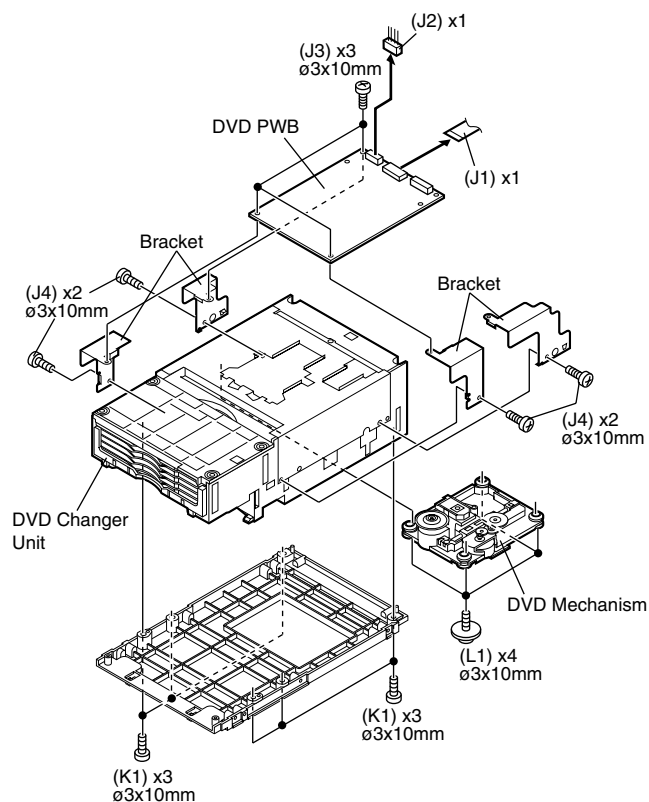


Figure 7

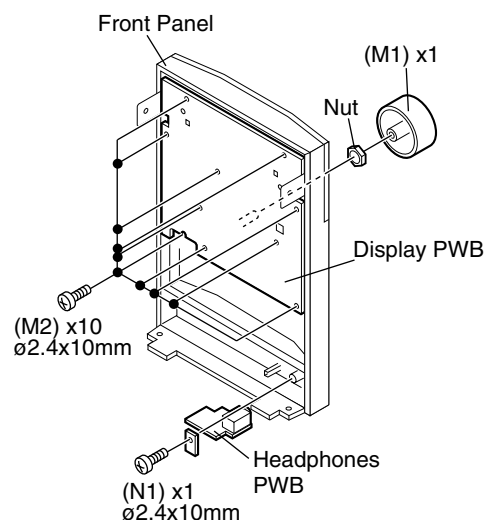


Figure 8

—MEMO—

CHAPTER 4. DIAGRAMS

[1] BLOCK DIAGRAM

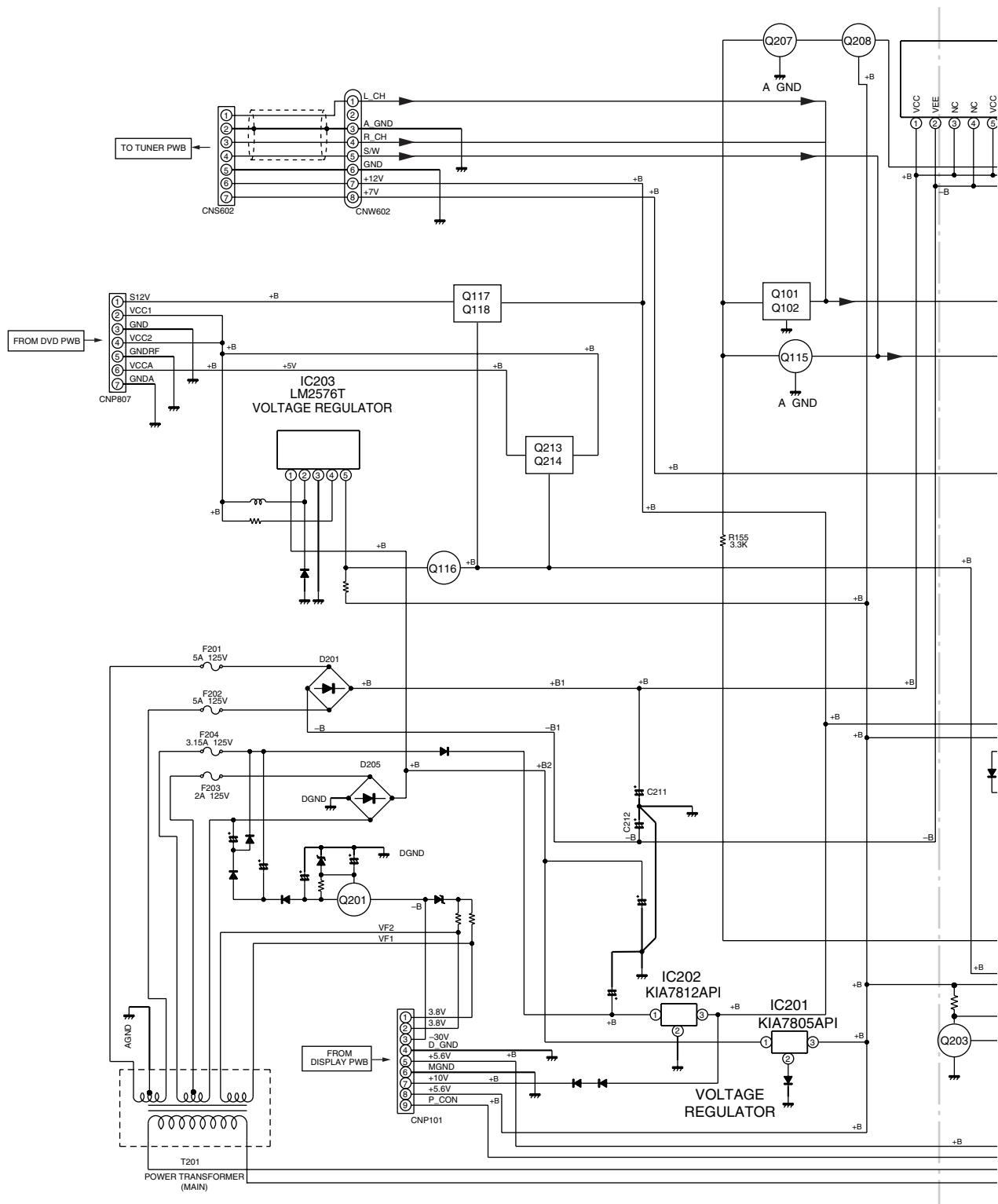


Figure 4-1 BLOCK DIAGRAM (1/6)

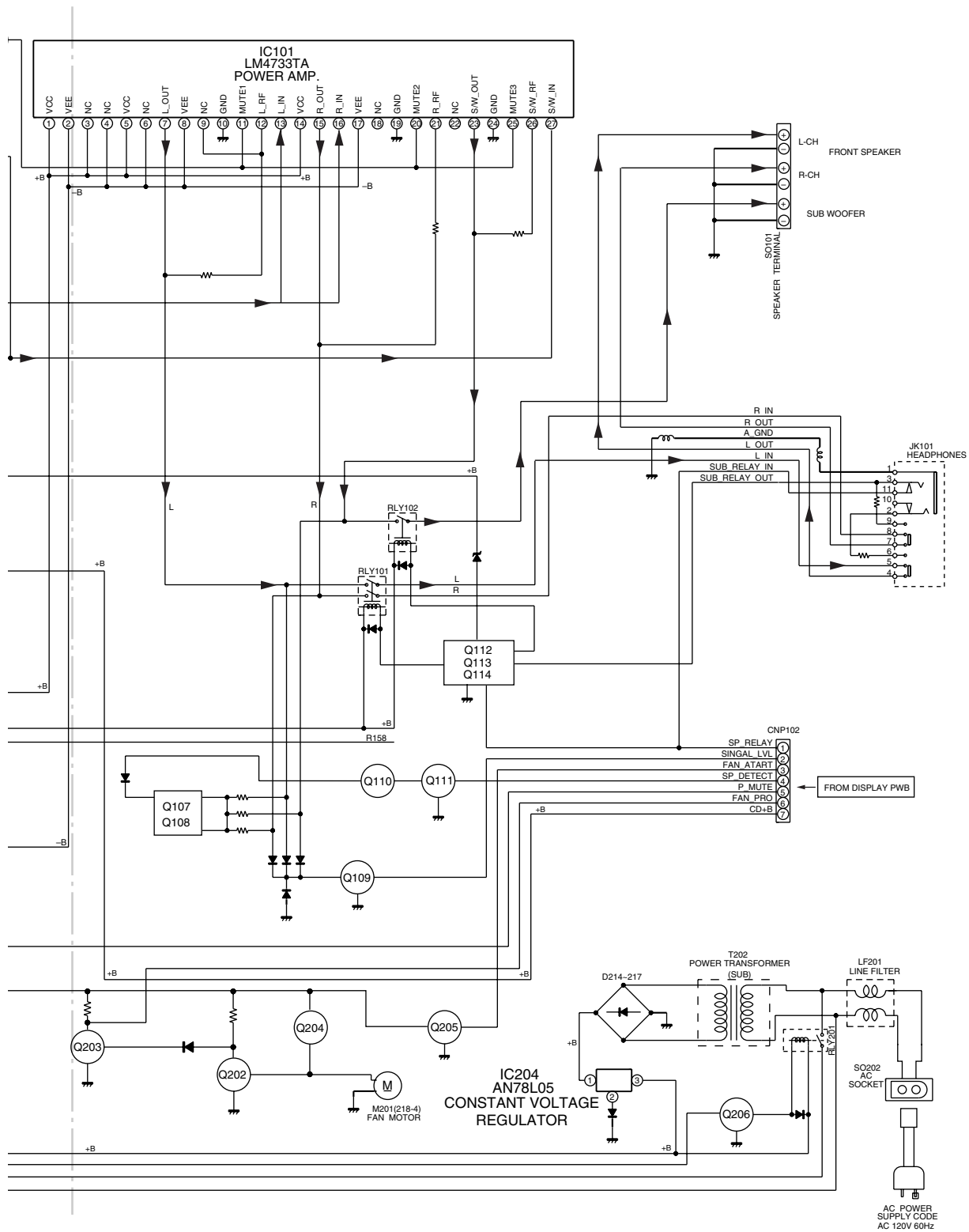


Figure 4-2 BLOCK DIAGRAM (2/6)

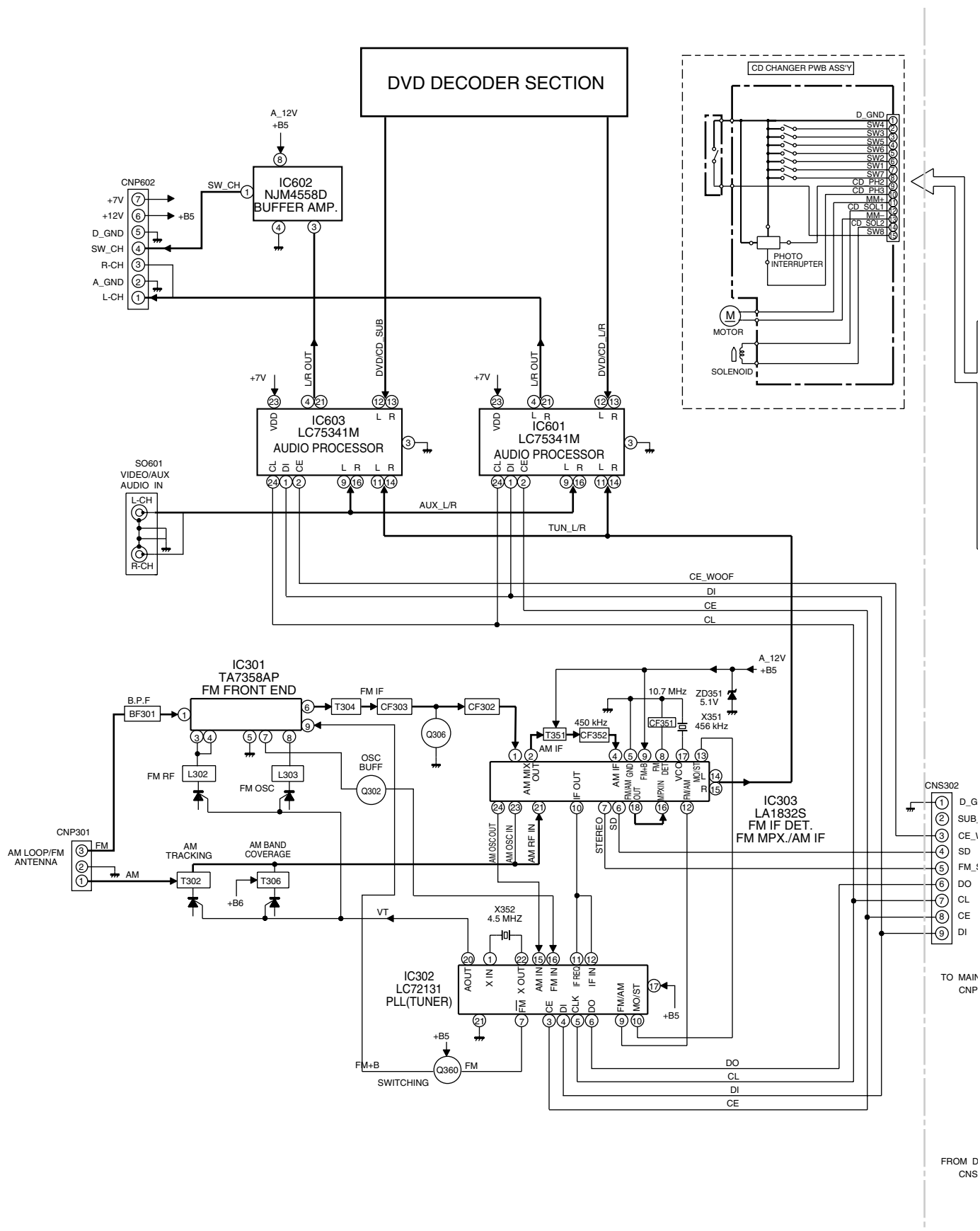


Figure 4-3 BLOCK DIAGRAM (3/6)

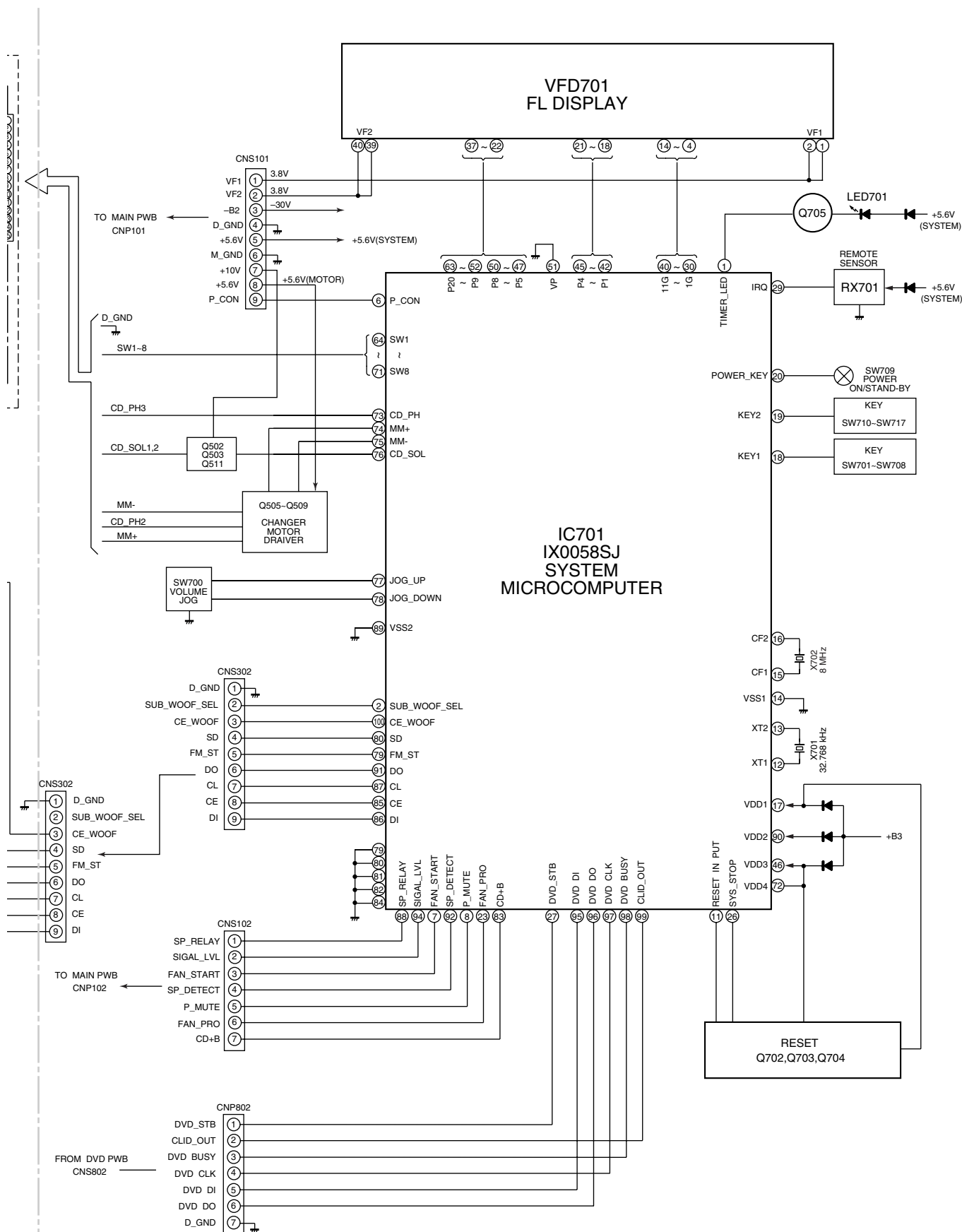


Figure 4-4 BLOCK DIAGRAM (4/6)

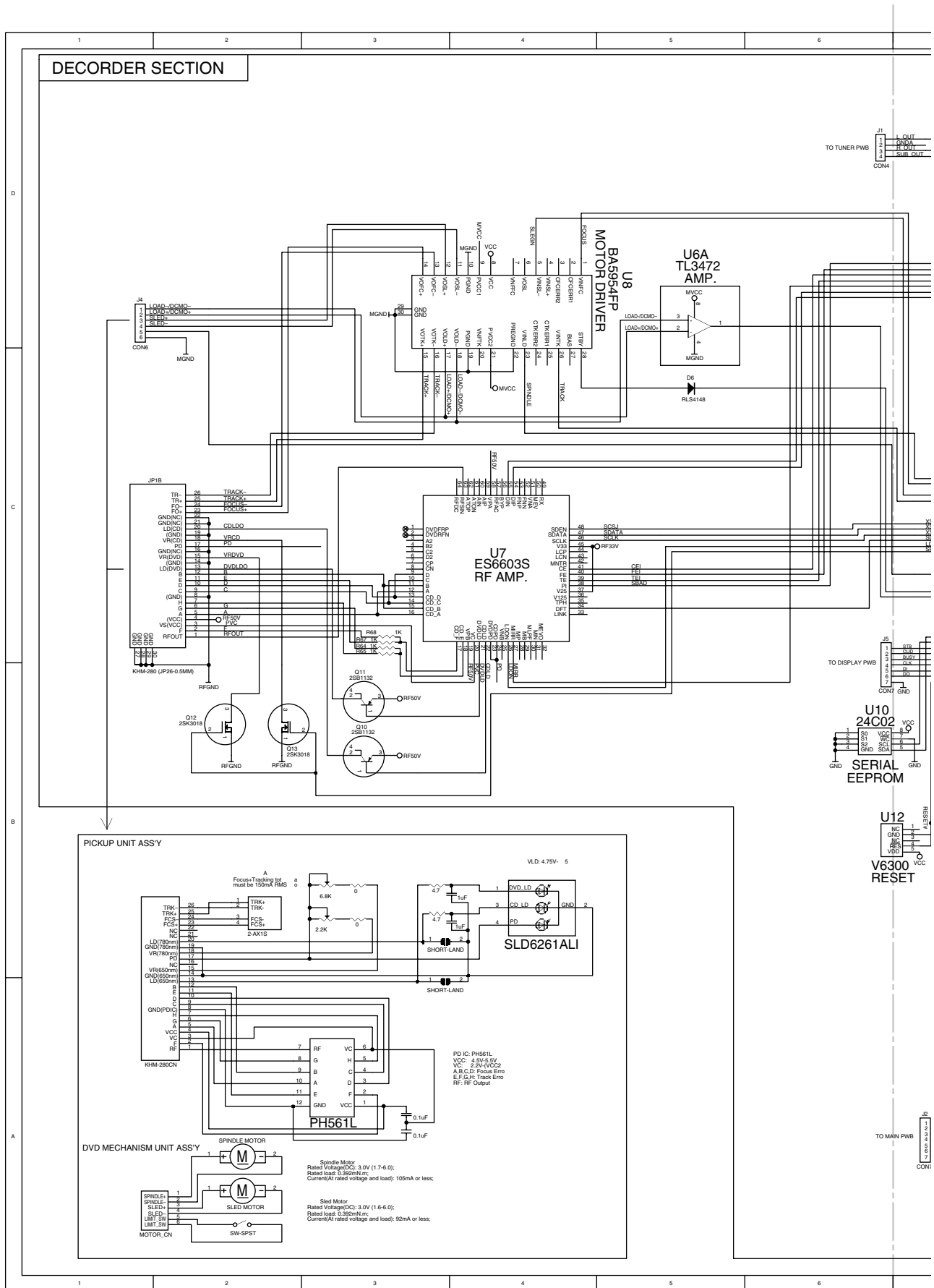
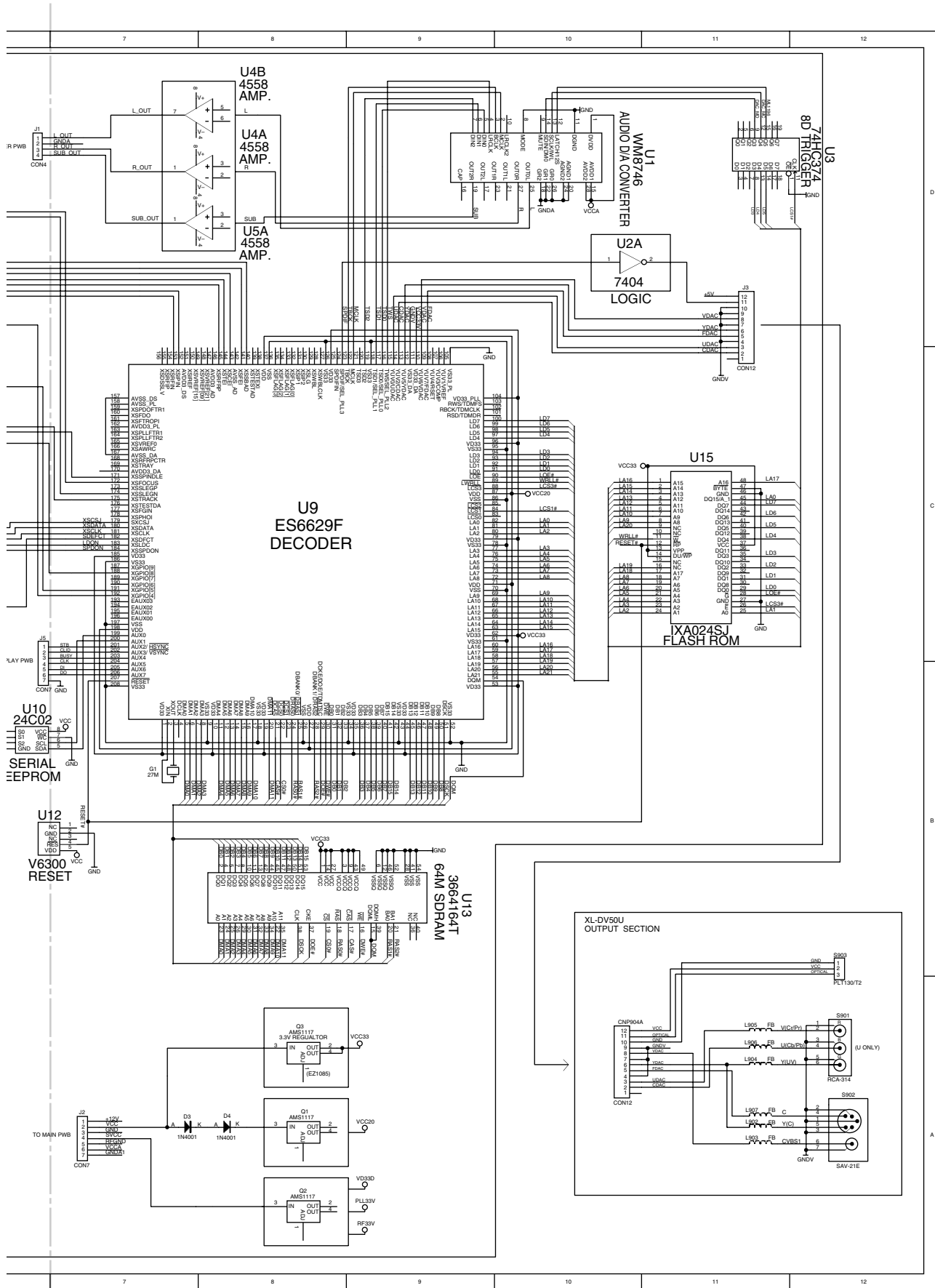


Figure 4-5 BLOCK DIAGRAM (5/6)



CHAPTER 5. CIRCUIT DESCRIPTION

[1] VOLTAGE

IC101		IC601		IC701				Q113		Q207		Q506	
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	30 V	1	3.5 V	1	5(0) V	51	0 V	E	0 V	E	0 V	E	0 V
2	-30 V	2	3.5 V	2	5(0) V	52	-27 V	C	0 V	C	0 V	C	0 V
3	-	3	0 V	3	-	53	-27 V	B	0.7 V	B	0.7 V	B	0.7 V
4	-	4	3.5 V	4	-	54	-27 V	Q114		Q208		Q507	
5	30 V	5	3.5 V	5	-	55	-27 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
6	-	6	3.5 V	6	5(0) V	56	-27 V	E	0 V	E	0 V	E	0 V
7	0 V	7	3.5 V	7	5(0) V	57	-27 V	C	0 V	C	0 V	C	0 V
8	-30 V	8	3.5 V	8	5(0) V	58	-27 V	B	0.7 V	B	0 V	B	0.7 V
9	-	9	3.5 V	9	-	59	-27 V	Q115		Q213		Q508	
10	0 V	10	3.5 V	10	-	60	-27 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
11	-4 V	11	3.5 V	11	5 V	61	-27 V	E	0 V	E	5 V	E	5 V
12	0 V	12	3.5 V	12	0 V	62	-27 V	C	0 V	C	5 V	C	5 V
13	0 V	13	3.5 V	13	0 V	63	-27 V	B	0.7(0) V	B	0 V	B	4 V
14	30 V	14	3.5 V	14	0 V	64	5(0) V	Q117		Q214		Q509	
15	0 V	15	3.5 V	15	0 V	65	5(0) V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
16	0 V	16	3.5 V	16	0 V	66	5(0) V	E	12 V	E	0 V	E	0 V
17	-30 V	17	3.5 V	17	5 V	67	5(0) V	C	12 V	C	0 V	C	0 V
18	-	18	3.5 V	18	5 V	68	5(0) V	B	0 V	B	0.7 V	B	0.7 V
19	-	19	3.5 V	19	5 V	69	5(0) V	Q118		Q302		Q511	
20	-4 V	20	3.5 V	20	5 V	70	5(0) V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
21	0 V	21	3.5 V	21	-	71	5(0) V	E	0 V	E	0 V	E	0 V
22	-	22	3.5 V	22	-	72	5 V	C	0 V	C	5 V	C	0 V
23	0 V	23	7 V	23	5 V	73	5(0) V	B	0.7 V	B	0 V	B	0.7 V
24	0 V	24	3.5 V	24	-	74	5(0) V	Q201		Q306		Q702	
25	-4 V	IC602		25	0 V	75	5(0) V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
26	0 V	PIN NO.	VOLTAGE	26	5 V	76	5(0) V	E	0 V	E	0 V	1	0.7 V
27	0 V	1	6 V	27	-	77	5(0) V	C	0 V	C	5 V	2	0 V
IC201		2	6 V	28	-	78	5(0) V	B	0.7 V	B	0 V	3	0 V
PIN NO.	VOLTAGE	3	6 V	29	5 V	79	5(0) V	Q202		Q351		Q703	
1	14 V	4	6 V	30	-27 V	80	5(0) V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
2	0.7 V	5	6 V	31	-27 V	81	-	E	0 V	E	0 V	E	0 V
3	5.6 V	6	6 V	32	-27 V	82	-	C	0 V	C	4.7 V	C	4 V
IC202		7	6 V	33	-27 V	83	5(0) V	B	0.7 V	B	0 V	B	0 V
PIN NO.	VOLTAGE	8	12 V	34	-27 V	84	-	Q203		Q360		Q704	
1	23 V	IC603		35	-27 V	85	5 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
2	0 V	PIN NO.	VOLTAGE	36	-27 V	86	5 V	E	0 V	E	12 V	E	0 V
3	12 V	1	3.5 V	37	-27 V	87	5 V	C	6 V	C	11 V	C	0 V
IC203		2	3.5 V	38	-27 V	88	5(0) V	B	0 V	B	11 V	B	0.7 V
PIN NO.	VOLTAGE	3	0 V	39	-27 V	89	0 V	Q204		Q502		Q705	
1	14 V	4	3.5 V	40	-27 V	90	5 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
2	5(0) V	5	3.5 V	41	-	91	5 V	E	5.6 V	E	0 V	E	0 V
3	0 V	6	3.5 V	42	-27 V	92	5 V	C	5.6 V	C	0 V	C	0 V
4	5(0) V	7	3.5 V	43	-27 V	93	-	B	0.7 V	B	5 V	B	0.7 V
5	5(0) V	8	3.5 V	44	-27 V	94	5 V	Q205		Q503		Q504	
IC204		9	3.5 V	45	-27 V	95	5 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
PIN NO.	VOLTAGE	10	3.5 V	46	5 V	96	5 V	E	0 V	E	10 V	E	0 V
1	9 V	11	3.5 V	47	-27 V	97	5 V	C	0 V	C	9 V	C	0 V
2	0.7 V	12	3.5 V	48	-27 V	98	5 V	B	0.7 V	B	9 V	B	0.7 V
3	5.6 V	13	3.5 V	49	-27 V	99	5 V	Q206		Q505			
		14	3.5 V	50	-27 V	100	5 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE		
		15	3.5 V	Q101		Q109		E	0 V	E	0 V		
		16	3.5 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	C	5 V	C	0 V		
		17	3.5 V	E	0 V	E	0 V	B	0.7(0) V	B	0.7 V		
		18	3.5 V	C	0 V	C	5 V	Q102		Q110			
		19	3.5 V	B	0.7(0) V	B	0 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE		
		20	3.5 V	Q107		Q111		E	0 V	E	0 V		
		21	3.5 V	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	C	5 V	C	0 V		
		22	3.5 V	E	0 V	1	5 V	B	0 V	E	0 V		
		23	7 V	C	5 V	2	5 V	Q108		C	0 V		
		24	3.5 V	B	0 V	3	0 V	PIN NO.	VOLTAGE	B	0.7 V		
				Q112				E	0 V				
								C	5 V				
								B	0 V				

U1		U4		U7		U8		U13		U9		Q10	
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.78 V	1	5.9 V	1	NC	1	1.43 V	1	3.2 V	81	0 V	161	0 V
2	0 V	2	5.9 V	2	NC	2	2.43 V	2	0 V	82	0 V	162	3.24 V
3	0 V	3	5.87 V	3	2.46 V	3	2.33 V	3	3.2 V	83	NC	163	0 V
4	0 V	4	0 V	4	2.46 V	4	1.42 V	4	0 V	84	0 V	164	0 V
5	0 V	5	5.87 V	5	2.46 V	5	1.40 V	5	0 V	85	0 V	165	0 V
6	0 V	6	5.9 V	6	2.46 V	6	1.41 V	6	0 V	86	0 V	166	0 V
7	0 V	7	5.9 V	7	3.55 V	7	2.28 V	7	0 V	87	1.87 V	167	0 V
8	0 V	8	11.77 V	8	3.55 V	8	4.76 V	8	0 V	88	0 V	168	0 V
9	NC			9	2.56 V	9	4.78 V	9	3.2 V	89	0 V	169	0 V
10	NC			10	2.56 V	10	0 V	10	0 V	90	0 V	170	3.3 V
11	0 V			11	2.56 V	11	2.29 V	11	0 V	91	0 V	171	0 V
12	0 V			12	2.57 V	12	2.34 V	12	0 V	92	0 V	172	0 V
13	0 V			13	2.56 V	13	2.27 V	13	0 V	93	0 V	173	NC
14	0 V			14	2.56 V	14	2.95 V	14	0 V	94	0 V	174	0 V
15	4.8 V			15	2.56 V	15	2.47 V	15	0.1 V	95	0 V	175	0 V
16	2.4 V			16	2.54 V	16	2.48 V	16	0 V	96	3.16 V	176	0 V
17	2.4 V			17	2.54 V	17	1.87 V	17	3.1 V	97	0 V	177	NC
18	0 V			18	2.54 V	18	2.97 V	18	3 V	98	0 V	178	NC
19	2.4 V			19	4.93 V	19	0 V	19	3 V	99	0 V	179	0 V
20	0 V			20	2.47 V	20	2.36 V	20	0.04 V	100	0 V	180	0 V
21	2.4 V			21	4.9 V	21	4.78 V	21	0 V	101	3.24 V	181	0 V
22	0 V			22	3.2 V	22	0 V	22	0 V	102	0 V	182	0 V
23	2.4 V			23	0.15 V	23	1.22 V	23	NC	103	0 V	183	0 V
24	0 V			24	0 V	24	2.57 V	24	0 V	104	0 V	184	0 V
25	2.4 V			25	3.29 V	25	2.36 V	25	0 V	105	0 V	185	3.16 V
26	0 V			26	0 V	26	1.4 V	26	0 V	106	0 V	186	0 V
27	2.4 V			27	2.39 V	27	1.4 V	27	3.2 V	107	0 V	187	0 V
28	4.8 V			28	2.39 V	28	3.23 V	28	0 V	108	0 V	188	2.2 V
				29	2.1 V			29	0 V	109	0 V	189	0 V
				30	2.1 V			30	0 V	110	0 V	190	0 V
				31	0 V			31	0 V	111	NC	191	4.4 V
				32	0 V			32	0 V	112	0 V	192	3.6 V
				33	2.53 V			33	0 V	113	0 V	193	0 V
				34	0 V			34	0 V	114	0 V	194	0 V
				35	3.56 V			35	0 V	115	0 V	195	0 V
				36	1.52 V			36	NC	116	3.76 V	196	0 V
				37	3.3 V			37	0 V	117	0 V	197	0 V
				38	1.9 V			38	CLK	118	NC	198	1.87 V
				39	1.50 V			39	0 V	119	NC	199	0 V
				40	1.42 V			40	NC	120	NC	200	0 V
				41	1.58 V			41	0 V	121	0 V	201	0 V
				42	1.9 V			42	0 V	122	0 V	202	0 V
				43	3.94 V			43	3.2 V	123	NC	203	0 V
				44	3.98 V			44	0 V	124	NC	204	0 V
				45	3.3 V			45	0 V	125	NC	205	0 V
				46	3.3 V			46	0 V	126	NC	206	0 V
				47	2.2 V			47	0 V	127	0 V	207	5 V
				48	0 V			48	0 V	128	1.87 V	208	0 V
				49	1.47 V			49	3.2 V	129	0 V		
				50	0 V			50	0 V	130	0 V		
				51	0 V			51	0 V	131	0 V		
				52	2.25 V			52	0 V	132	0 V		
				53	2.37 V			53	3.16 V	133	0 V		
				54	3.3 V			54	0 V	134	0 V		
				55	3.3 V			55	0 V	135	0 V		
				56	3.2 V			56	0 V	136	0 V		
				57	2.2 V			57	0 V	137	3.3 V		
				58	4.93 V			58	0 V	138	0 V		
				59	4.1 V			59	0 V	139	0 V		
				60	4.1 V			60	0 V	140	0 V		
				61	2.91 V			61	0 V	141	0 V		
				62	2.94 V			62	3.16 V	142	3.3 V		
				63	3.27 V			63	0 V	143	1.5 V		
				64	2.87 V			64	0 V	144	0 V		
								65	0 V	145	0 V		
								66	0 V	146	1.5 V		
								67	0 V	147	0 V		
								68	0 V	148	0 V		
								69	0 V	149	1.5 V		
								70	0 V	150	1.5 V		
								71	1.87 V	151	1.5 V		
								72	0 V	152	0 V		
								73	0 V	153	NC		
								74	0 V	154	1.75 V		
								75	0 V	155	1.5 V		
								76	0 V	156	1.66 V		
								77	0 V	157	0 V		
								78	0 V	158	0 V		
								79	3.16 V	159	0 V		
								80	0 V	160	0 V		

Q11		Q12		Q13		Q14		Q15		Q16		Q17		Q18		Q19		Q20		Q21	
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
E	4.32 V			E	0 V	E	0 V	E	0 V	E	5 V	E	5 V	E	5 V	E	5 V	E	5 V	E	3.31 V
C	2.24 V			C	0 V	C	0.15 V	C	4.6 V	C	0.8 V	C	0.5 V	C	1.46 V	C	0.9 V	C	0.9 V	C	5.0 V
B	3.6 V			B	4.6 V	B	0.68 V	B	0 V	B	0 V	B	0 V	B	0 V	B	0 V	B	0 V	B	3.94 V

Q1		Q2		Q3		Q5	
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0.8 V	1	2.0 V	1	2.14 V	E	1.5 V
2	2.0 V	2	3.2 V	2	3.38 V	C	0 V
3	3.3 V	3	4.86 V	3	5.46 V	B	0.86 V
4	2.0 V	4	3.2 V	4	3.38 V		

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] NOTES ON SCHEMATIC DIAGRAM

- Resistor:

To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.

- Capacitor:

To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.

(CH), (TH), (RH), (UJ): Temperature compensation

(ML): Mylar type

(P.P.): Polypropylene type

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.

- In the tuner section,

() indicates AM

< > indicates FM stereo



- In the main section, a tape is being played back.

- In the deck section, a tape is being played back.

() indicates the record state.

- In the power section, a tape is being played back.

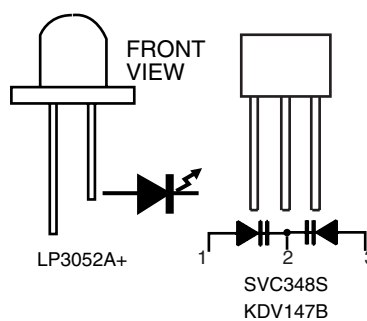
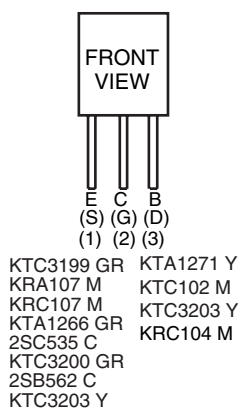
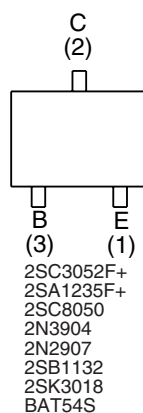
- In the CD section, the CD is stopped.

- Parts marked with "  " () are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW700	VOLUME	ON—OFF
SW701	EQUALIZER	ON—OFF
SW702	TUNING DOWN/STOP	ON—OFF
SW703	TUNING UP/PLAY	ON—OFF
SW704	PRESET UP	ON—OFF
SW705	PRESET DOWN	ON—OFF
SW706	DISC1	ON—OFF
SW707	DISC2	ON—OFF
SW708	MEMORY/SET	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW709	POWER ON/STAND-BY	ON—OFF
SW710	X-BASS/DEMO	ON—OFF
SW711	DVD/CD	ON—OFF
SW712	TUNER(BAND)	ON—OFF
SW713	VIDEO/AUX	ON—OFF
SW714	DISC3	ON—OFF
SW715	DISC4	ON—OFF
SW716	DISC5	ON—OFF
SW717	OPEN/CLOSE	ON—OFF

[2] TYPES OF TRANSISTOR AND LED





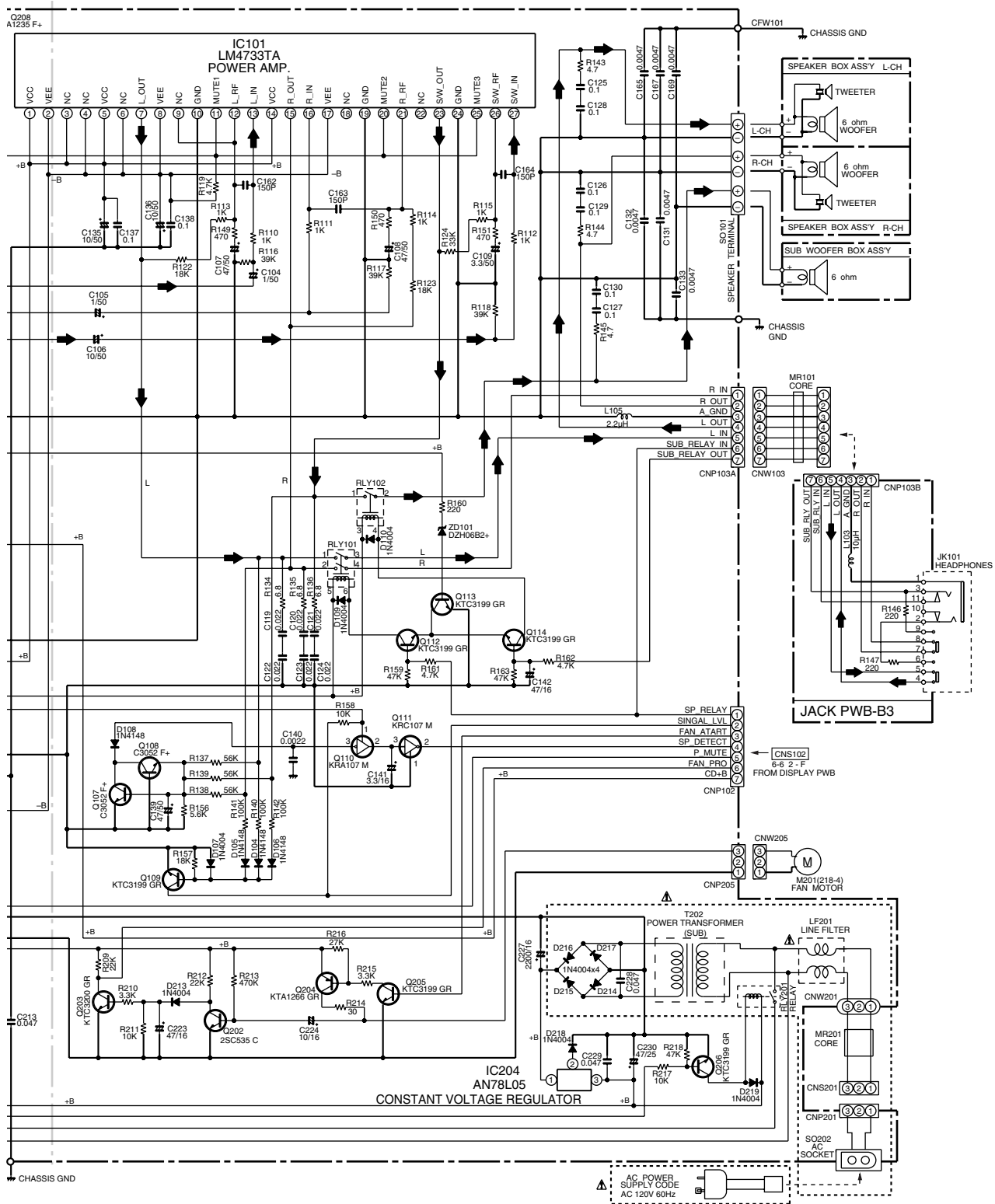


Figure 6-3 SCHEMATIC DIAGRAM (2/13)

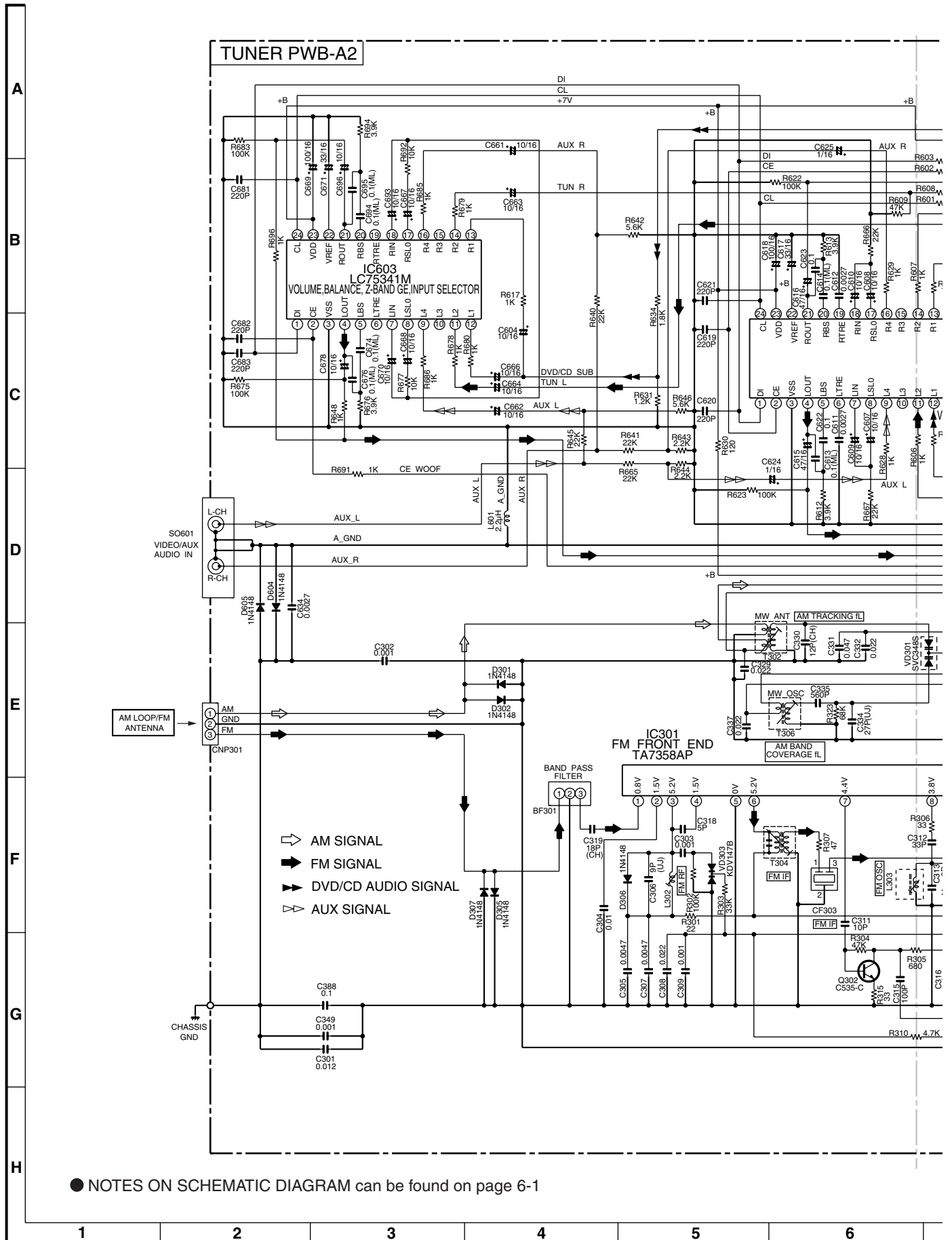


Figure 6-4 SCHEMATIC DIAGRAM (3/13)

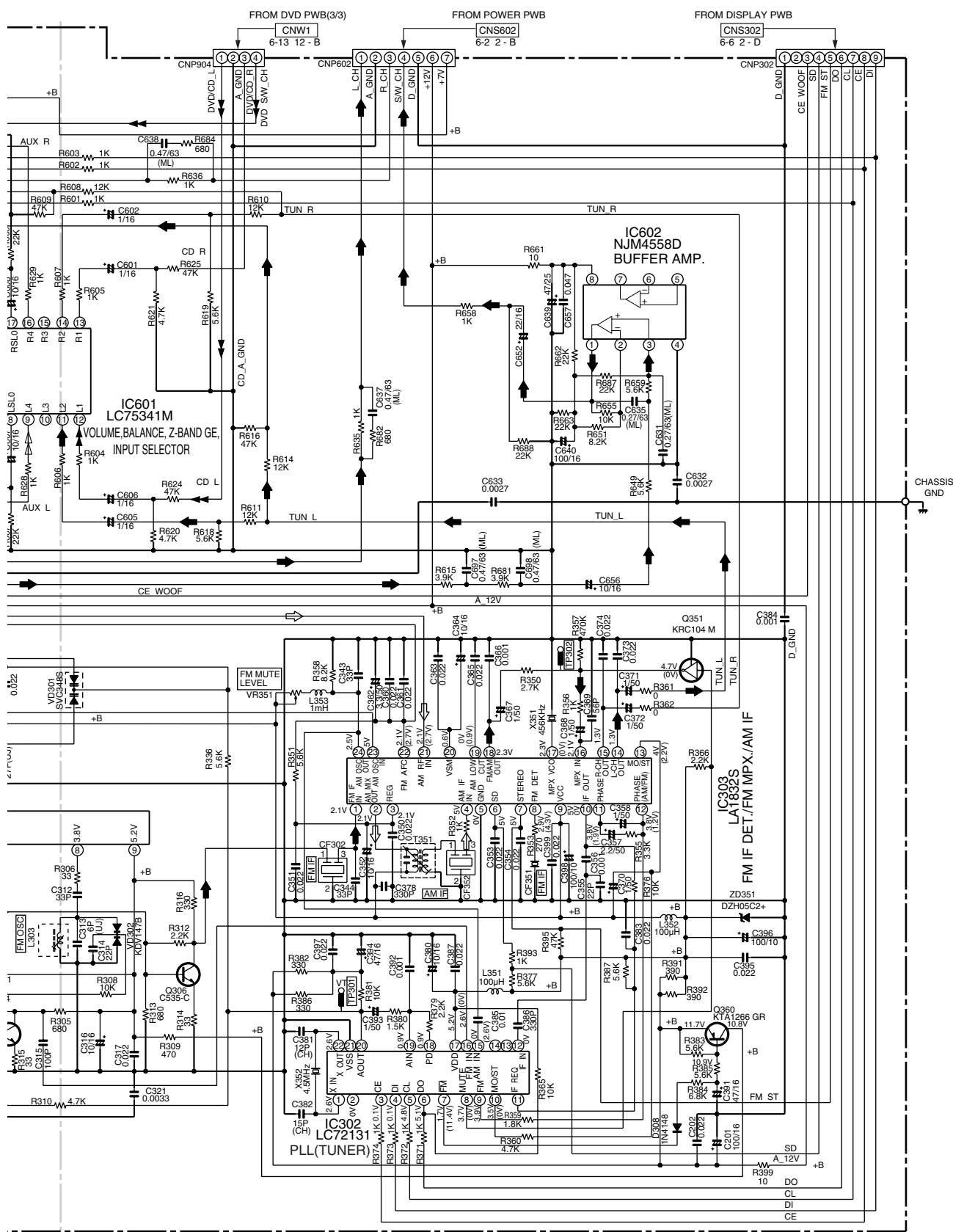
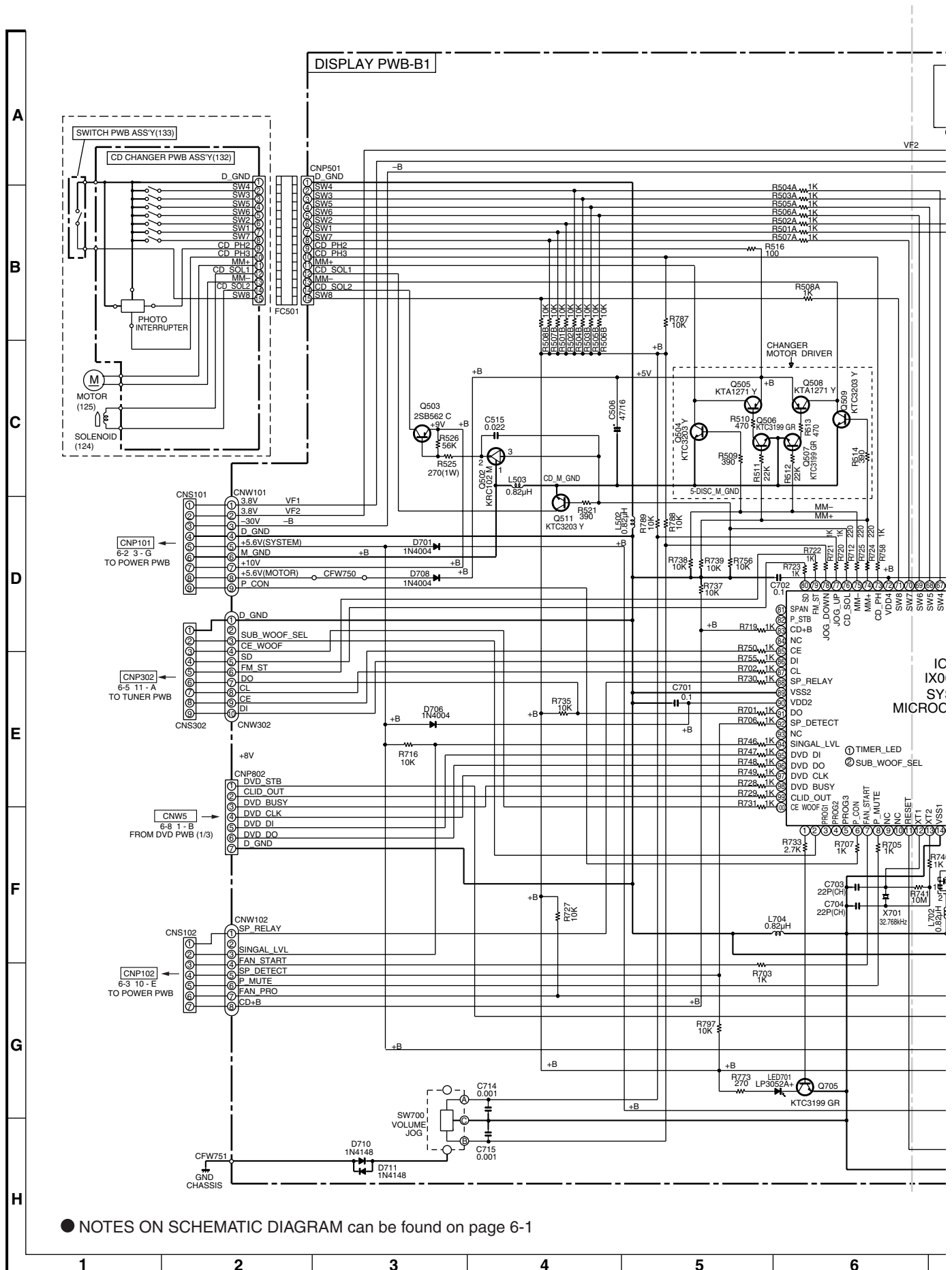


Figure 6-5 SCHEMATIC DIAGRAM (4/13)



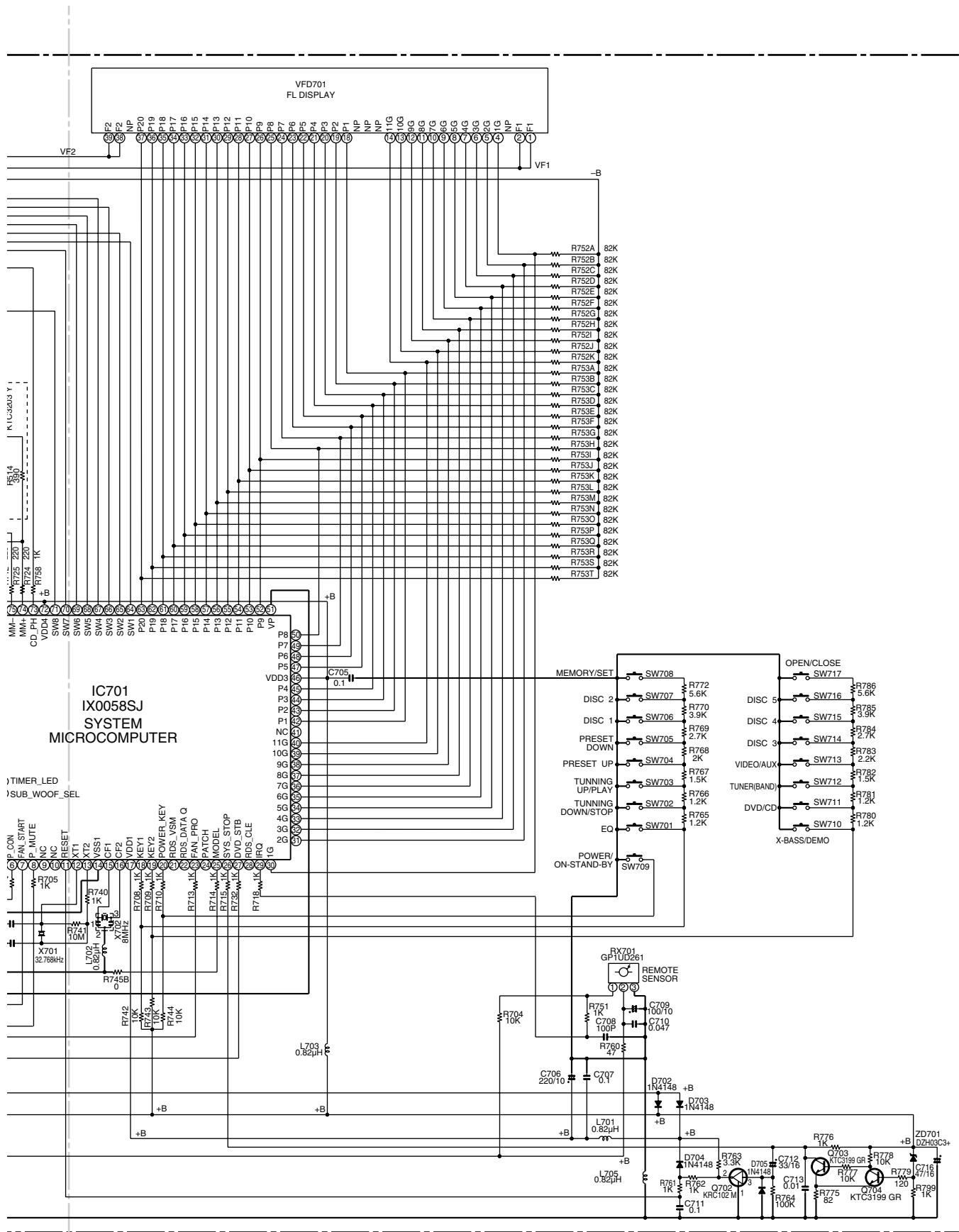


Figure 6-7 SCHEMATIC DIAGRAM (6/13)



6-8

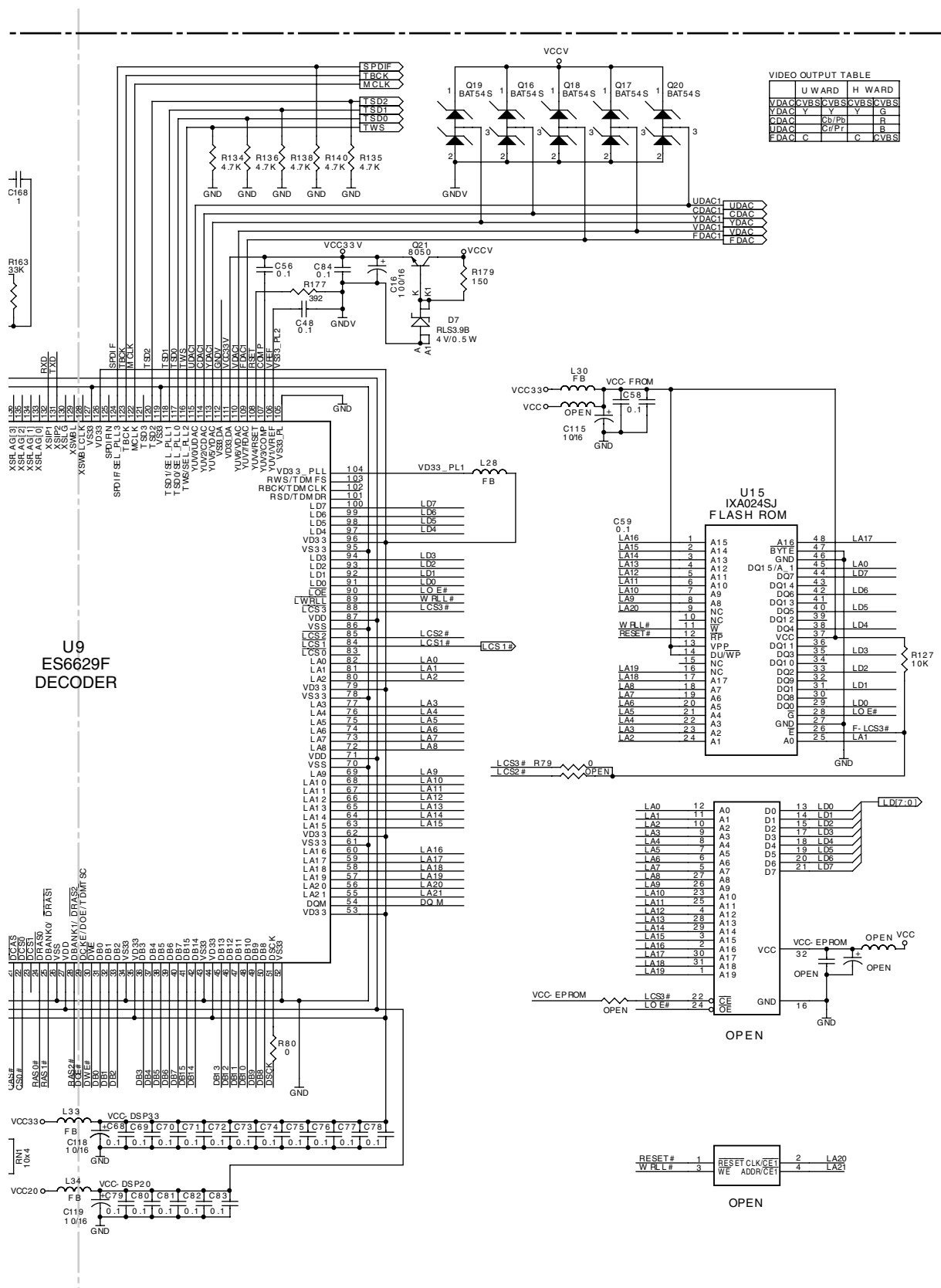
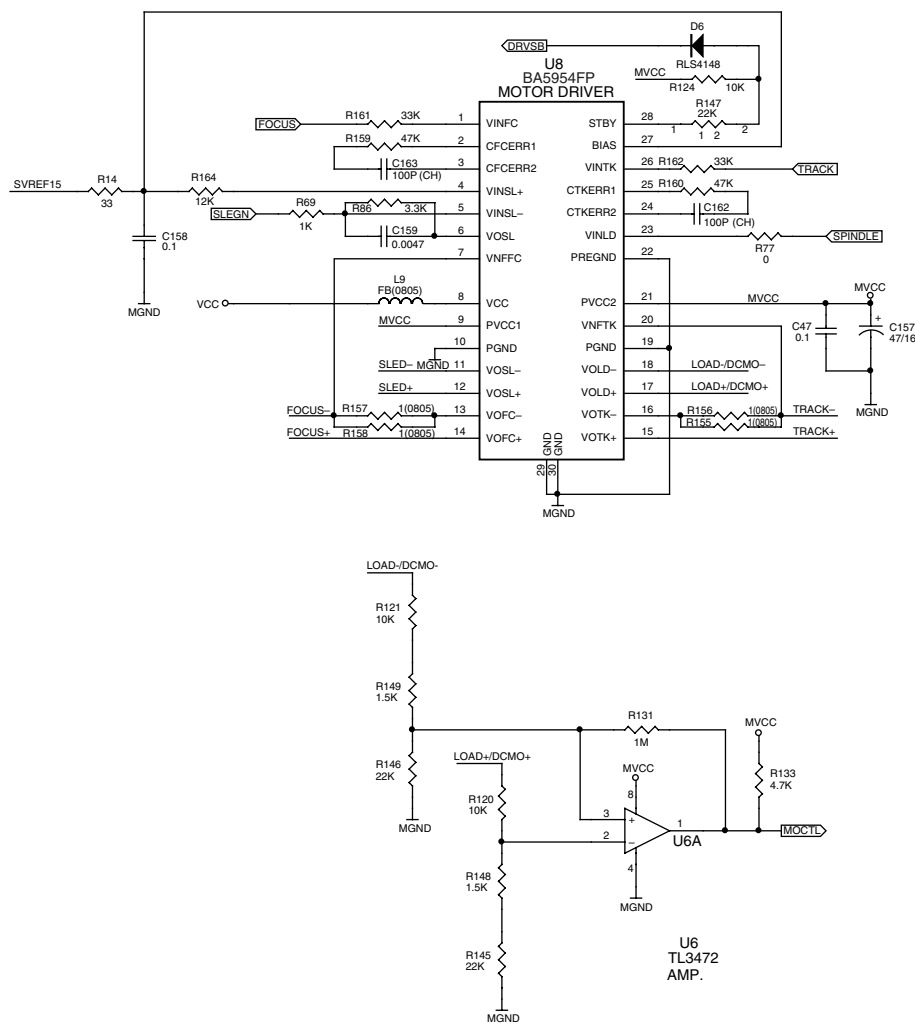


Figure 6-9 SCHEMATIC DIAGRAM (8/13)



6 - 10



	7	8	9	10	11	12
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6 - 11

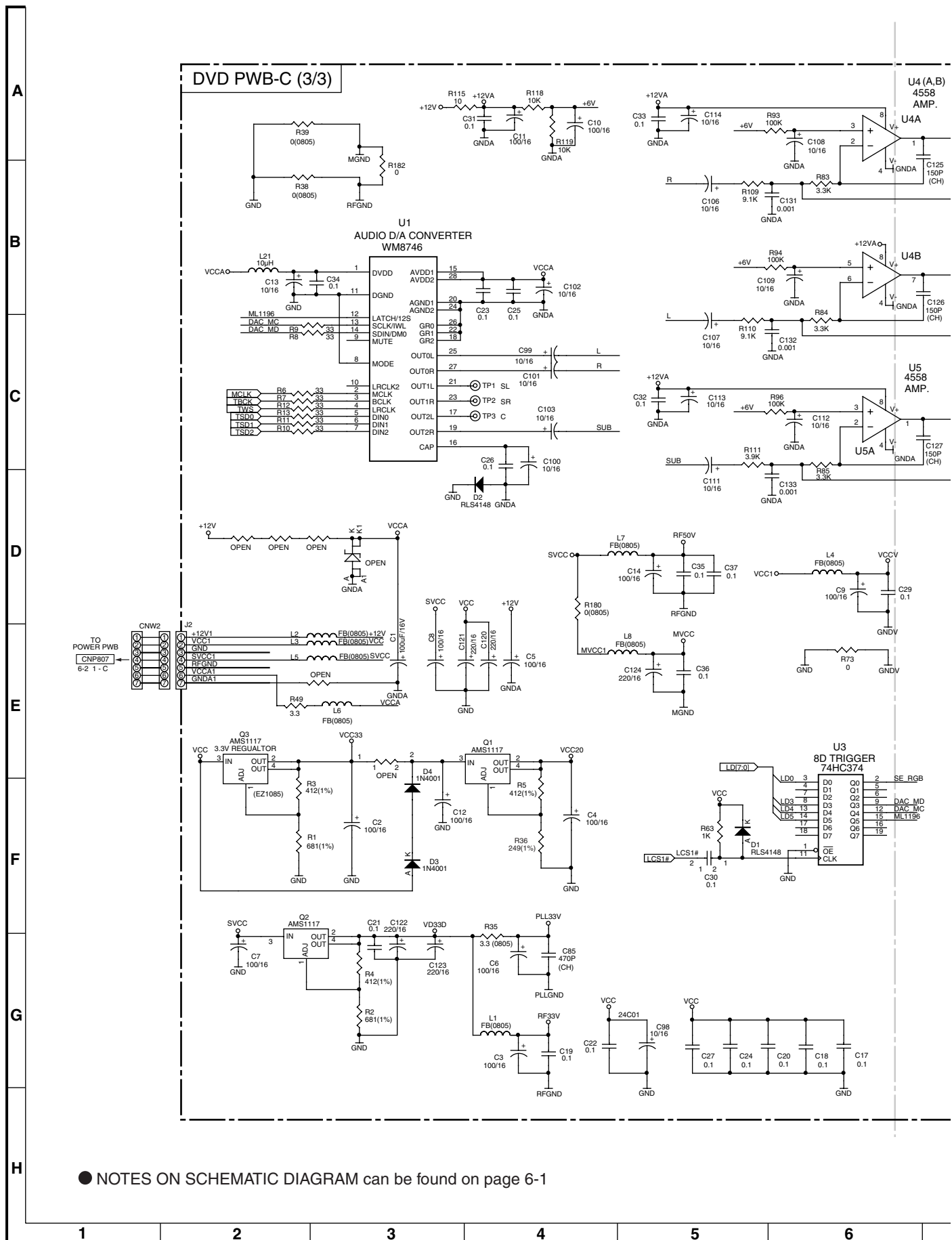


Figure 6-12 SCHEMATIC DIAGRAM (11/13)

6 - 13

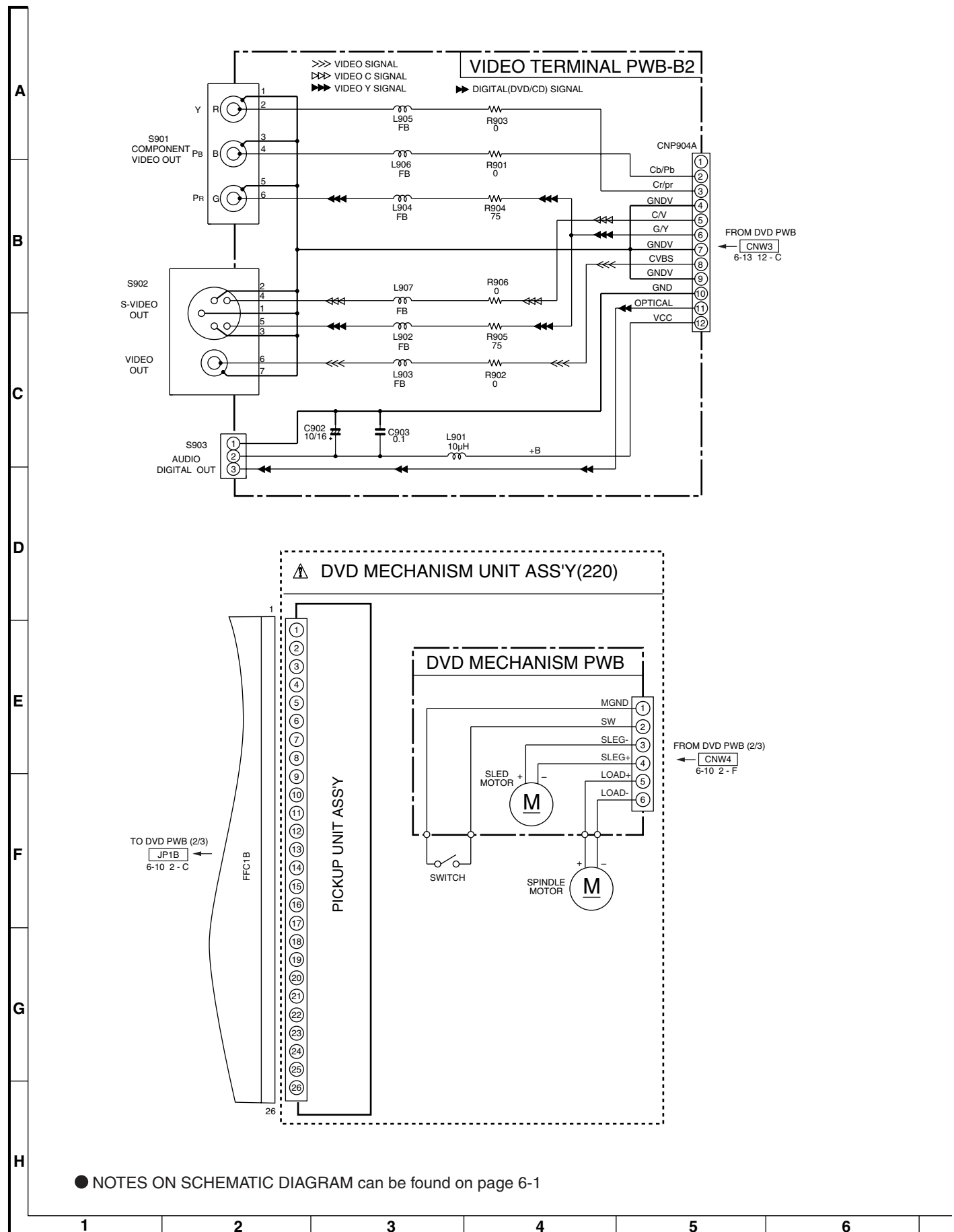
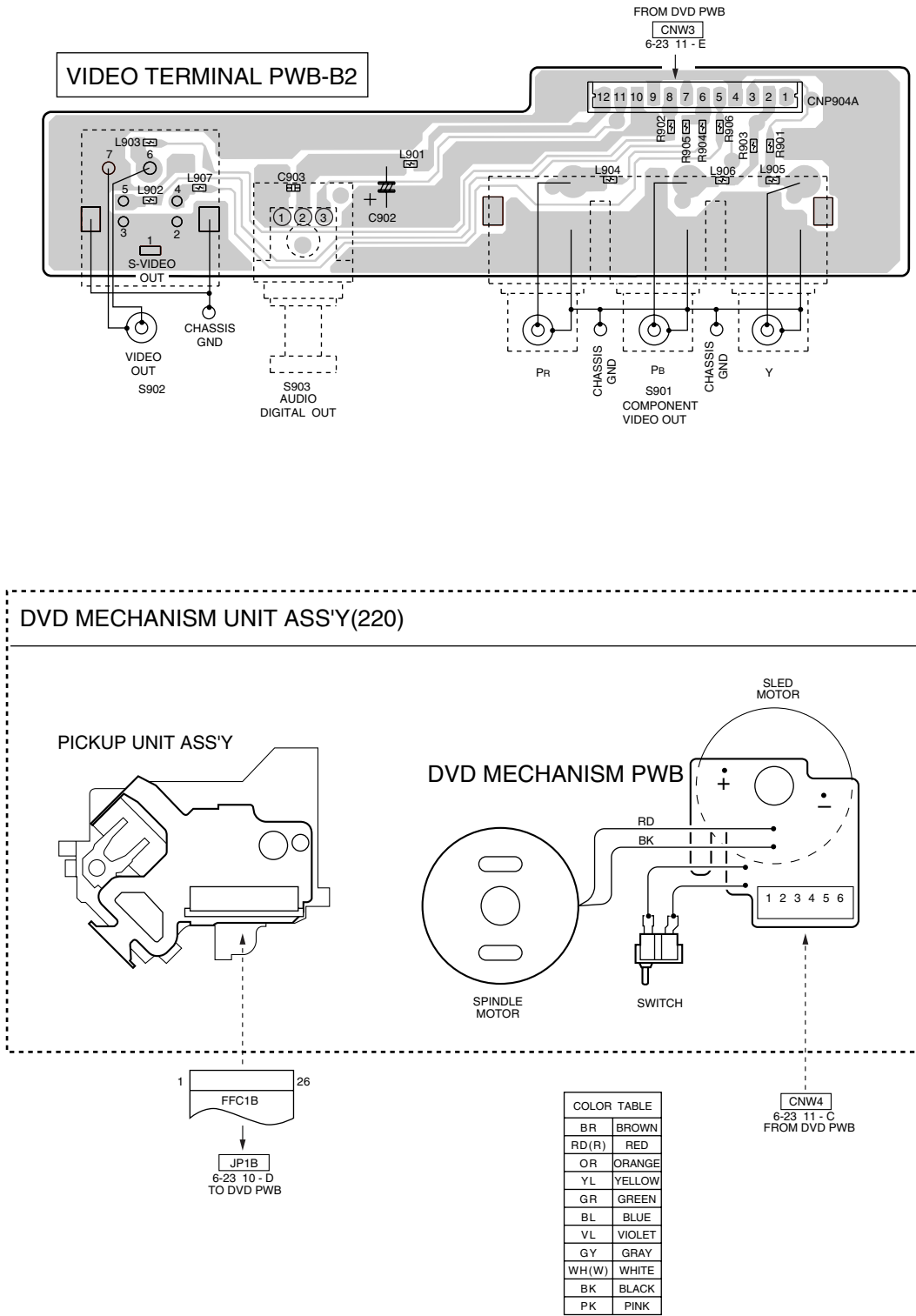


Figure 6-14 SCHEMATIC DIAGRAM (13/13)



7	8	9	10	11	12
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Figure 6-15 WIRING SIDE OF PWB (1/11)

B

C

D

E

F

G

H



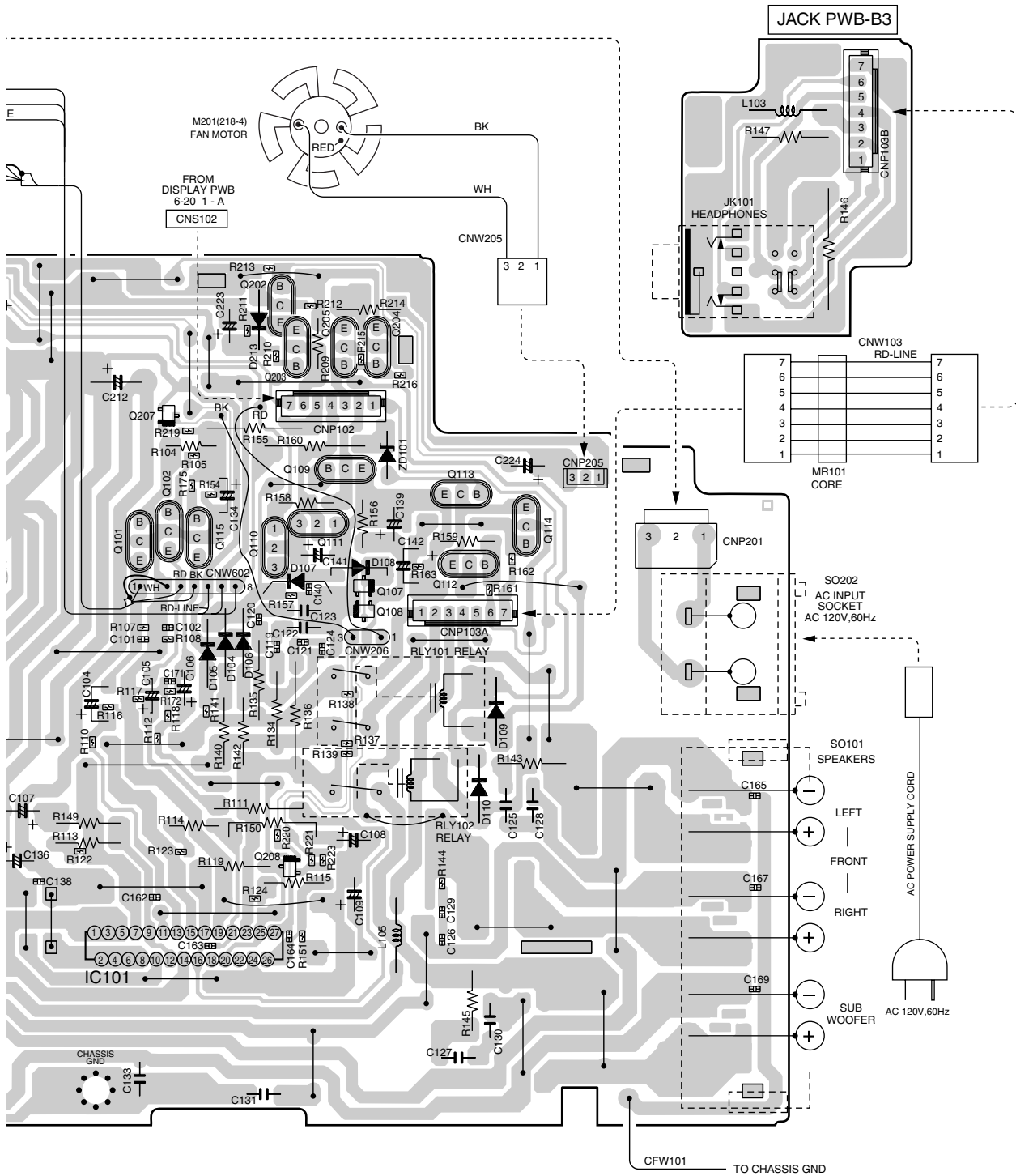


Figure 6-17 WIRING SIDE OF PWB (3/11)

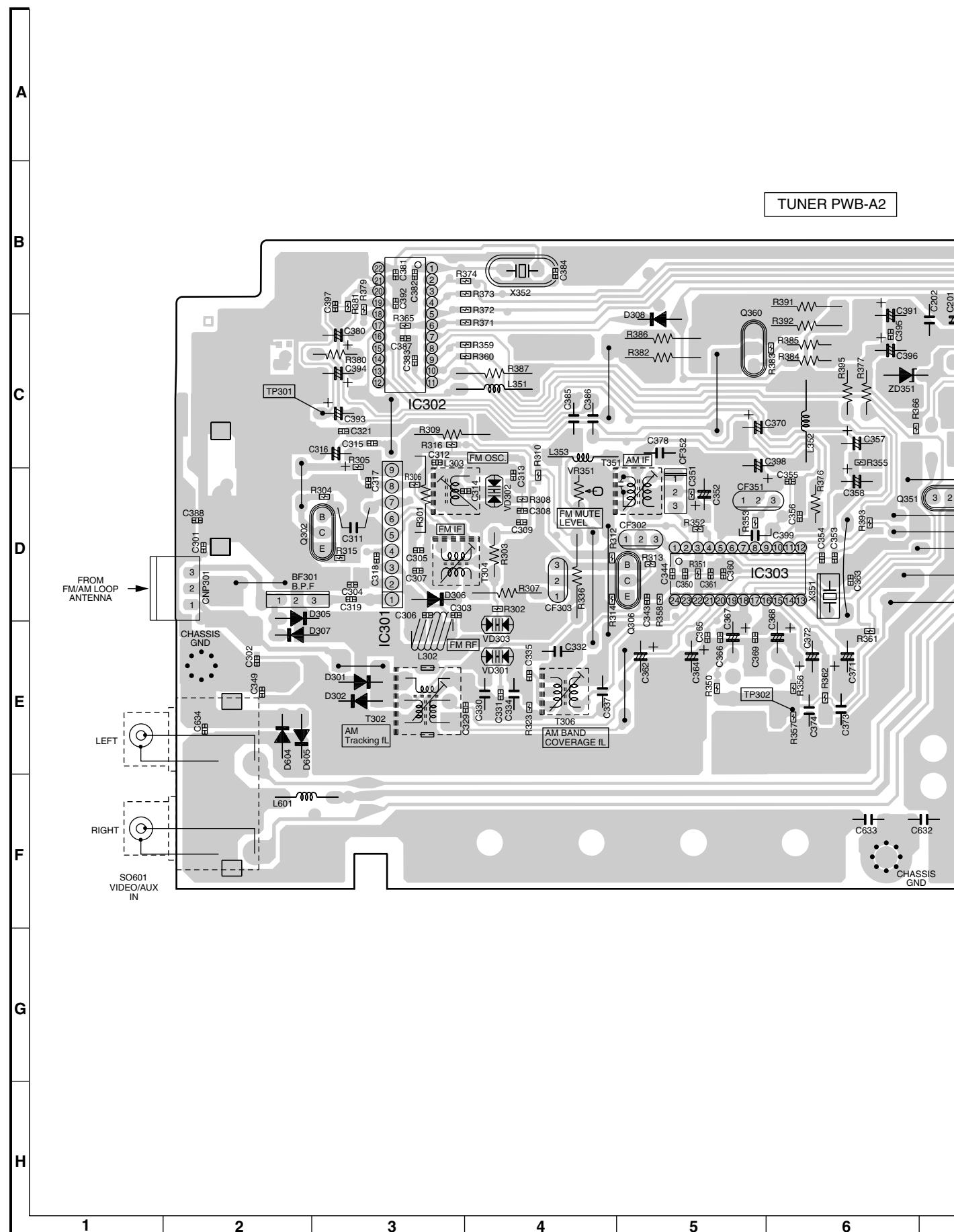
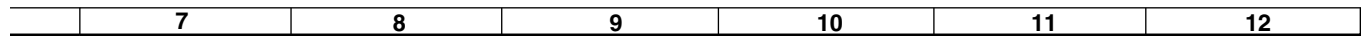


Figure 6-18 WIRING SIDE OF PWB (4/11)



6 - 19

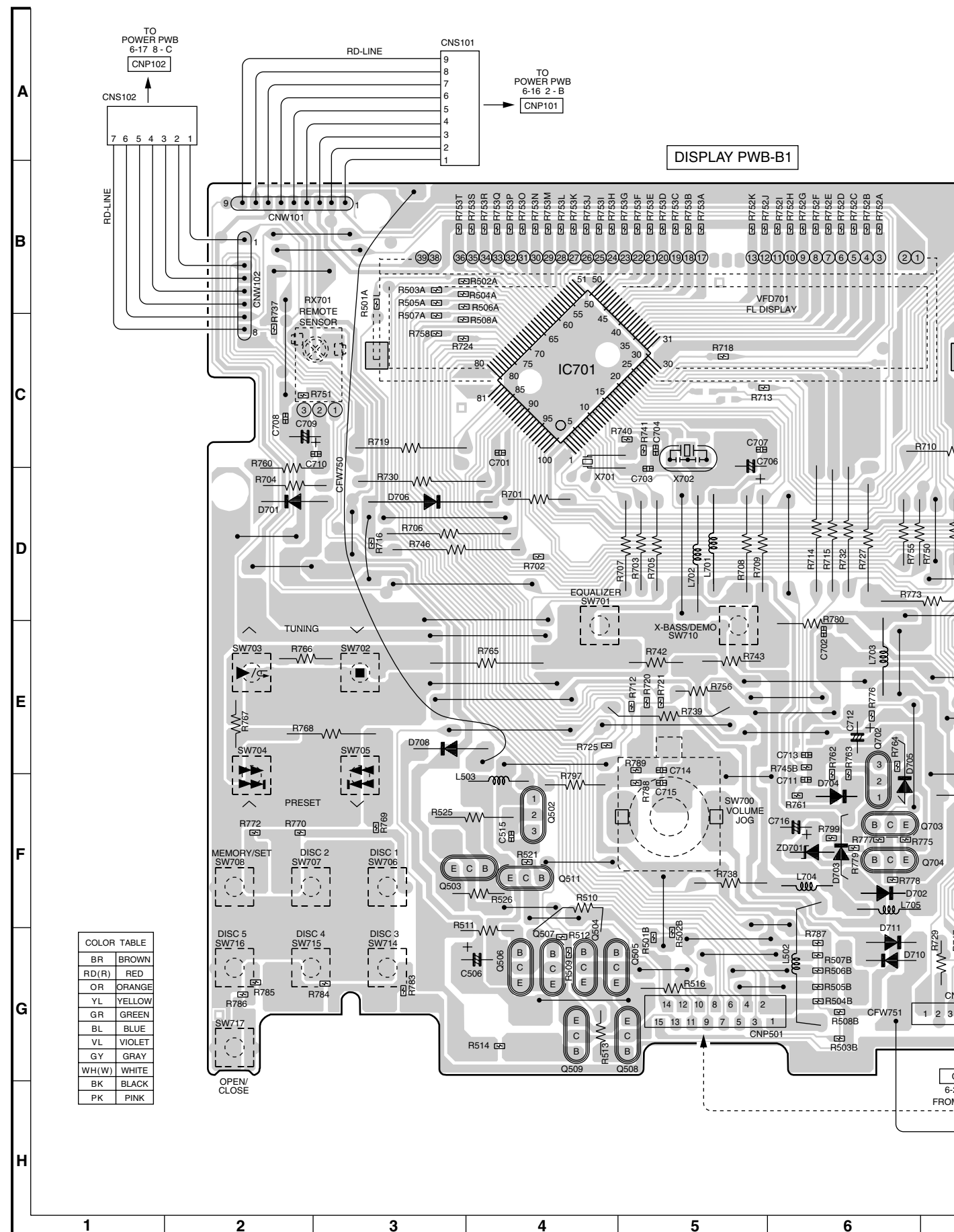
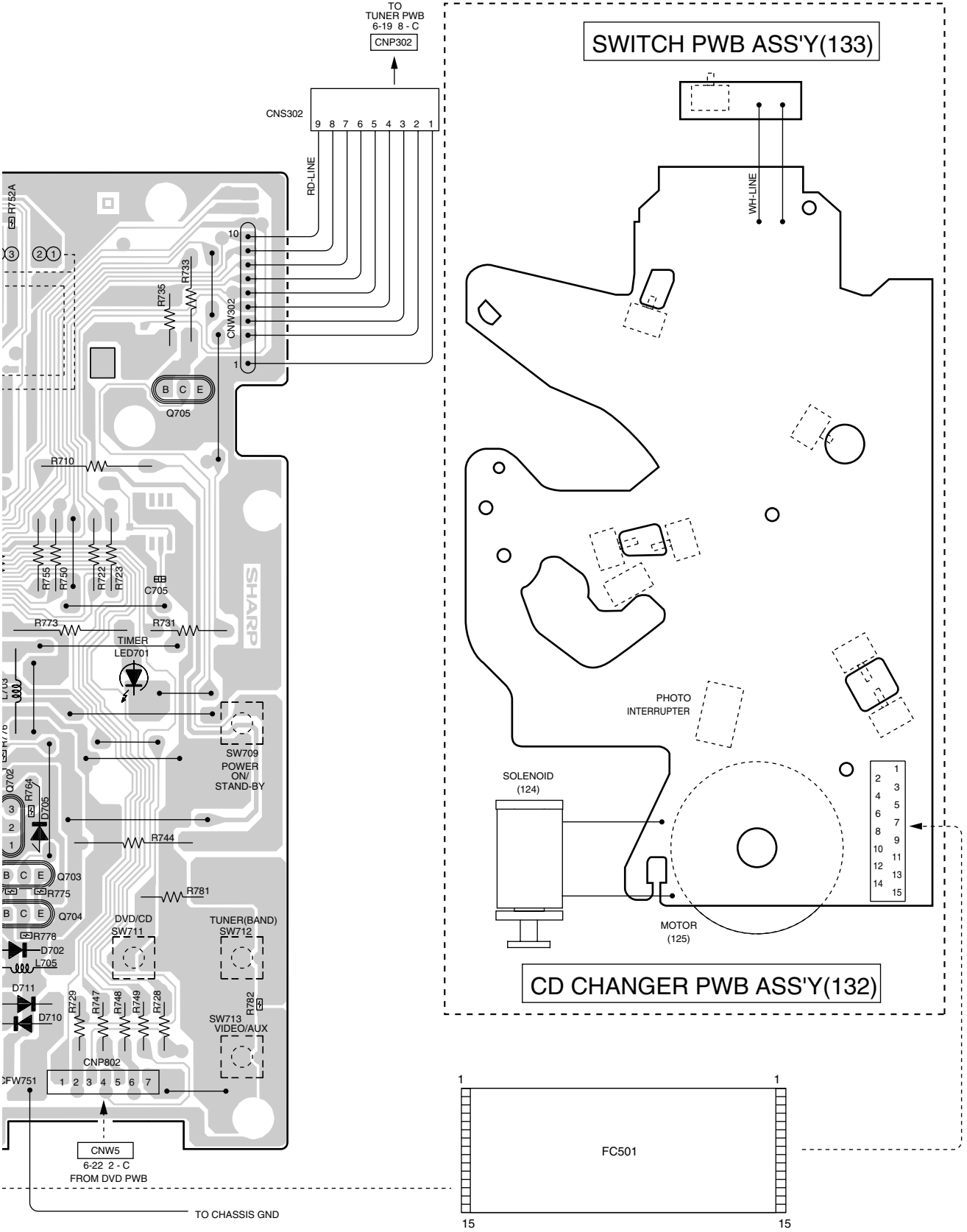


Figure 6-20 WIRING SIDE OF PWB (6/11)



7	8	9	10	11	12
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Figure 6-21 WIRING SIDE OF PWB (7/11)

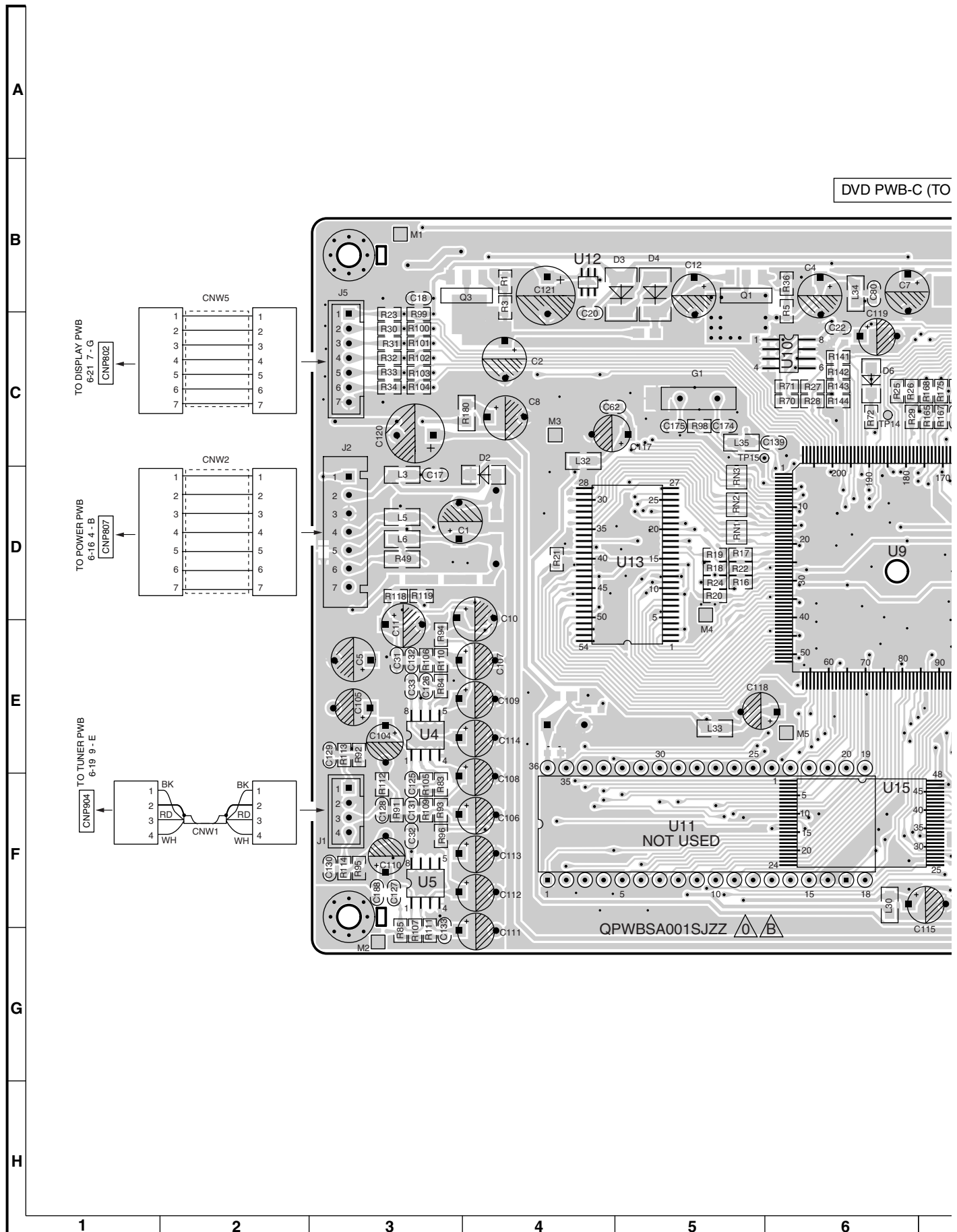
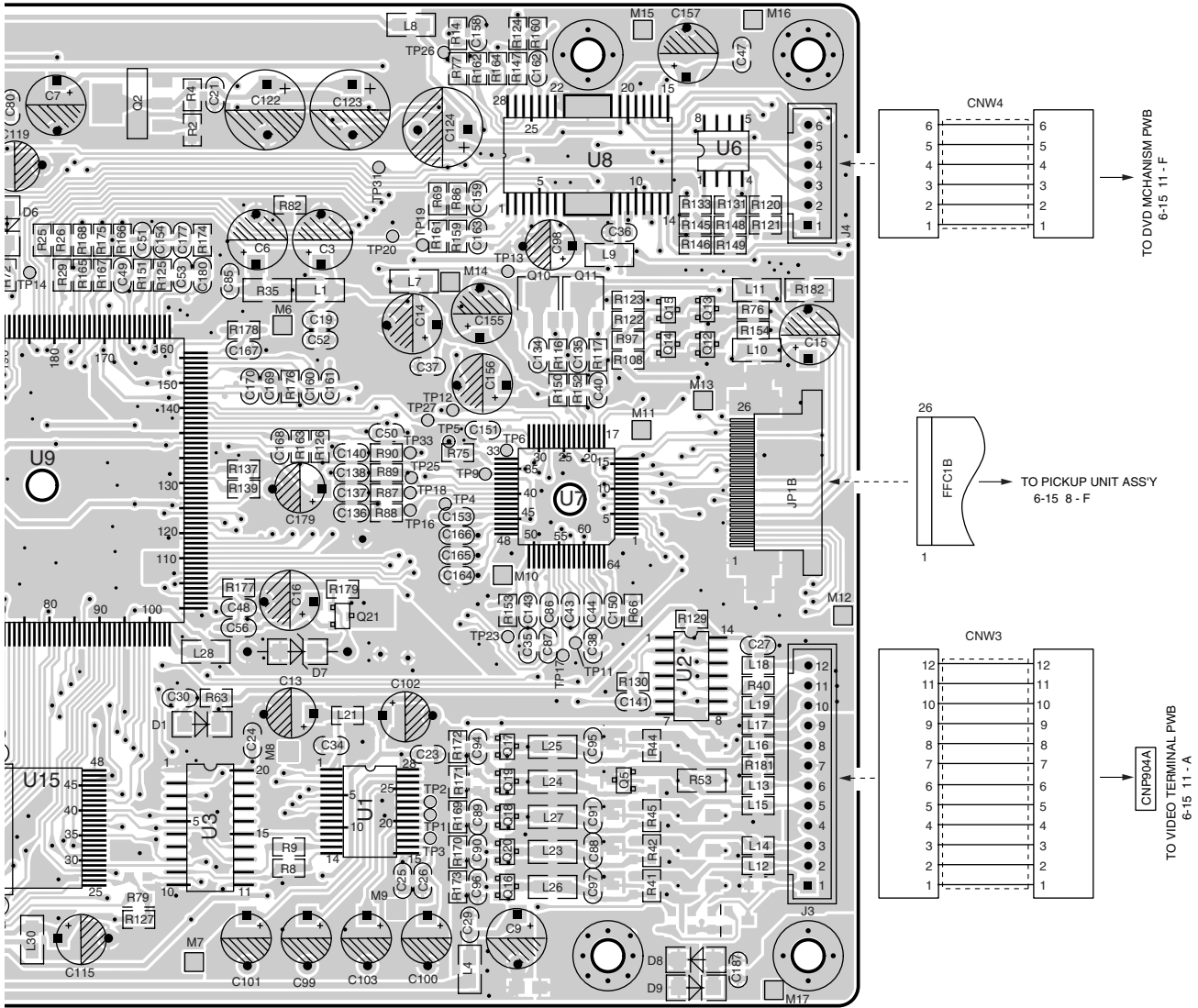


Figure 6-22 WIRING SIDE OF PWB (8/11)

PWB-C (TOP VIEW)



7	8	9	10	11	12
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Figure 6-23 WIRING SIDE OF PWB (9/11)

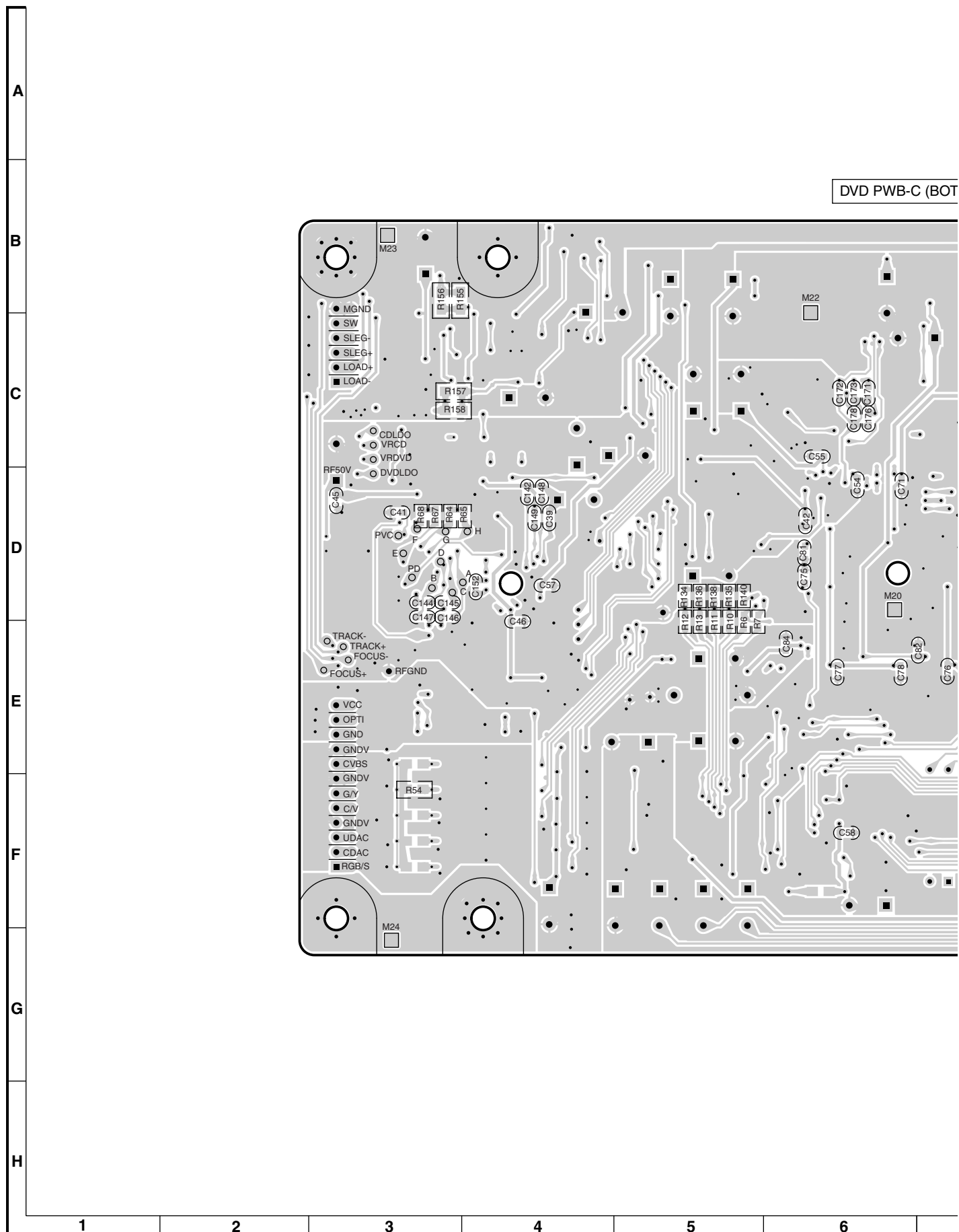


Figure 6-24 WIRING SIDE OF PWB (10/11)

CHAPTER 7. FLOWCHART

[1] TROUBLESHOOTING

1. When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust or other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

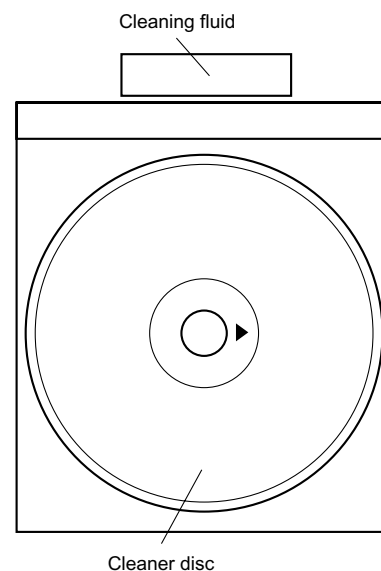
		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it still play continuously, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice. The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.



2. When a DVD/CD cannot be played

2.1. Pressing the DVD/CD operation key is accepted, but playback does not occur.

- 1) Focus-HF system check
- 2) Tracking system check
- 3) Spin system check
- 4) Others

(1) Focus-HF system check.

Although a DVD/CD is inserted and the cover is closed, "NO DISC" is displayed.

Press the OPEN/CLOSE switch (SW717) without inserting a disc, and try starting the playback operation.

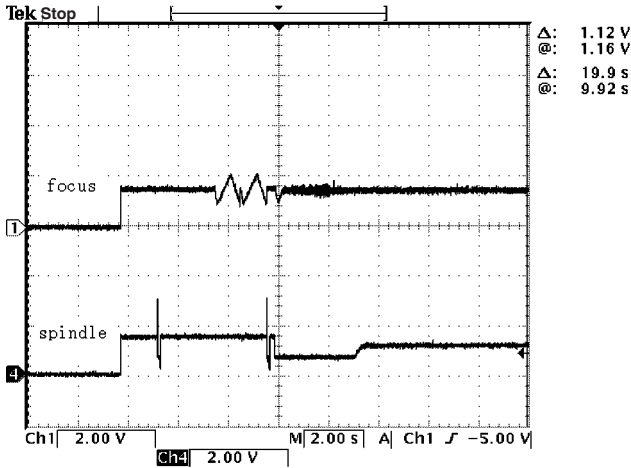


Figure 1

1. Does the pickup move to the PICKUP-IN Switch position?

No

Sled motor.

Yes

2. Does the focus (lens) move up and down?
(Waveform drawing Figure 1)

No

Check the focus peripheral circuit.

Yes

3. Is the laser lit?

No

Check the laser diode driver Q10,Q11 peripheral circuit.

Yes

4. Is the turntable rotating?

No

Spindle motor.

When a disc is loaded, start playback operation.

1. Is focus servo activated?
(Waveform drawing Figure 2)

No

Pins 39~41, 79 and 63 on U7.
Check the laser diode driver Q409 peripheral circuit.

Yes

3. Is the HF waveform normal?
(Waveform drawing Figure 3)

No

If the level is not normal.

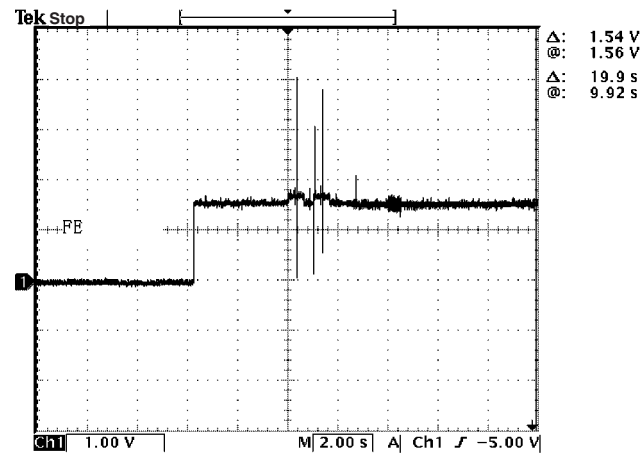


Figure 2

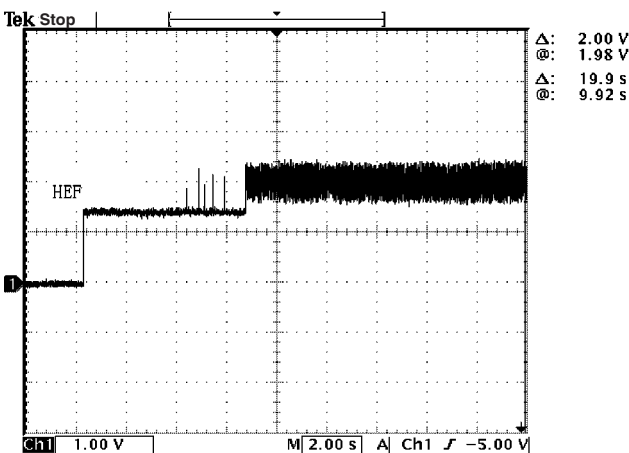


Figure 3

(2) Focus-HF system check.**Check the TE waveform at pin 39 on U7.**

If the waveform shown in Figure 4 appears and soon after NO DISC appears?

Yes

The tracking servo is not activated.

Check the peripheral circuits at pin 39 on U7, and Pin 145 on U9 and JP13.

No

"Initialization" is possible, but play is not possible?

Yes

Check the CNP802 and J5 connect well or not.

No

"Initialization" is not possible.

Check the J5 connect well or not

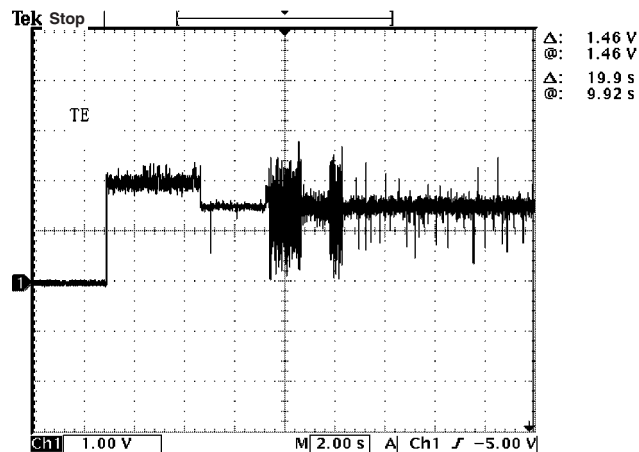


Figure 4

(3) Spin system check.

Press the OPEN/CLOSE switch without inserting a disc, and then try starting the play operation.

1. The turntable rotates a little?
(Waveform drawing Figure 5)

Yes

The spin driver circuit is OK.

No

2. The turntable doesn't rotate.

Check around pins 17,18 on U8.

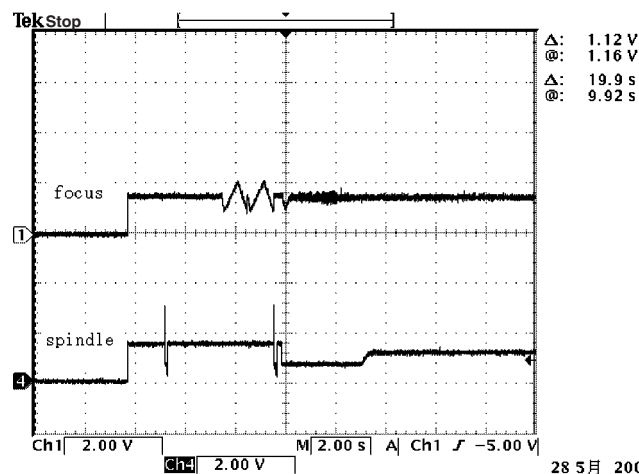


Figure 5

(4) Others.

When toc can read out and play normal, but no sound, please check as the following steps:

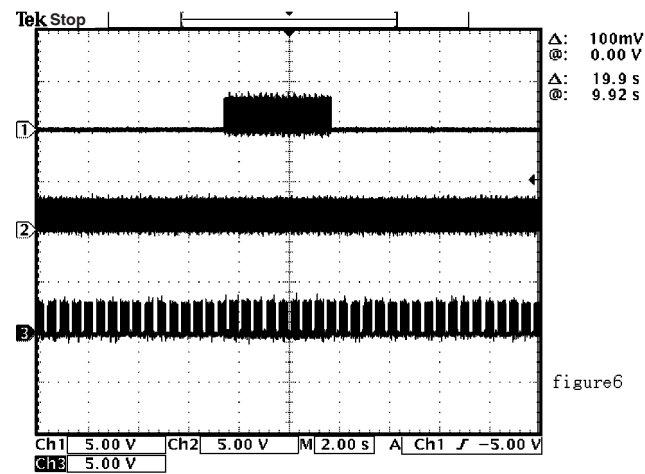
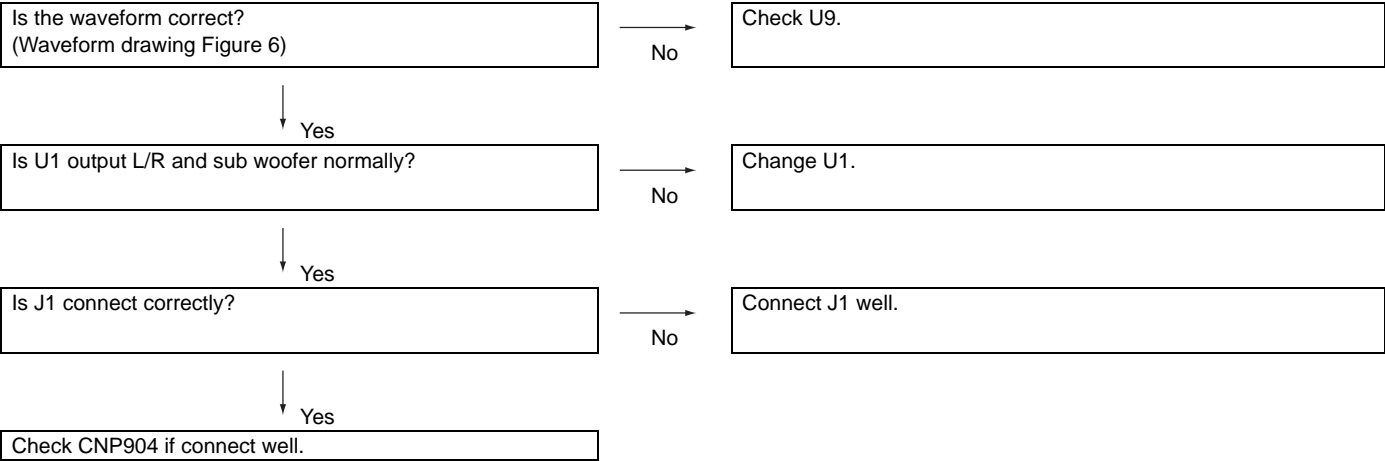


Figure 6

CHAPTER 8. OTHERS

[1] FUNCTION TABLE OF IC

IC601 VHiLC75341M-1: Signal Control (LC75341M) (1/2)

IC603 VHiLC75341M-1: Signal Control (LC75341M) (1/2)

Pin No.	Terminal Name	Function
1	DI	Serial data and clock input pin for control.
2	CE	Chip enable pin. Data written into an internal latch in a timing of "H" to "L". Each analog switch is activated. Data transfer enabled at "H" level.
3	VSS	Ground pin.
4	LOUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
5	LBASS	Bass band filter comprising capacitor and resistor connection pin.
6	LTRE	Treble band filter comprising capacitor and resistor connection pin.
7	LIN	Volume + equaliser output pin.
8	LSEL0	Input selector output pin.
9-12	L4-1	Input signal pin.

Pin No.	Terminal Name	Function
13-16	R1-4	Input signal pin.
17	RSEL0	Input selector output pin.
18	RIN	Volume + equaliser output pin
19	RTRE	Treble band filter comprising capacitor and resistor connection pin.
20	RBASS	Bass band filter comprising capacitor and resistor connection pin.
21	ROUT	Bass band filter comprising capacitor and resistor connection pin and bass/ treble output pin.
22	VREF	0.5x VDD voltage generation block for analog ground. Capacitor of several 10 μ F to be connected between VREF and AWSS (VSS) as a counter-measure against power ripple.
23	VDD	Supply pin
24	CL	Serial data and clock input pin for control.

IC601 VHiLC75341M-1: Signal Control (LC75341M)

IC603 VHiLC75341M-1: Signal Control (LC75341M)

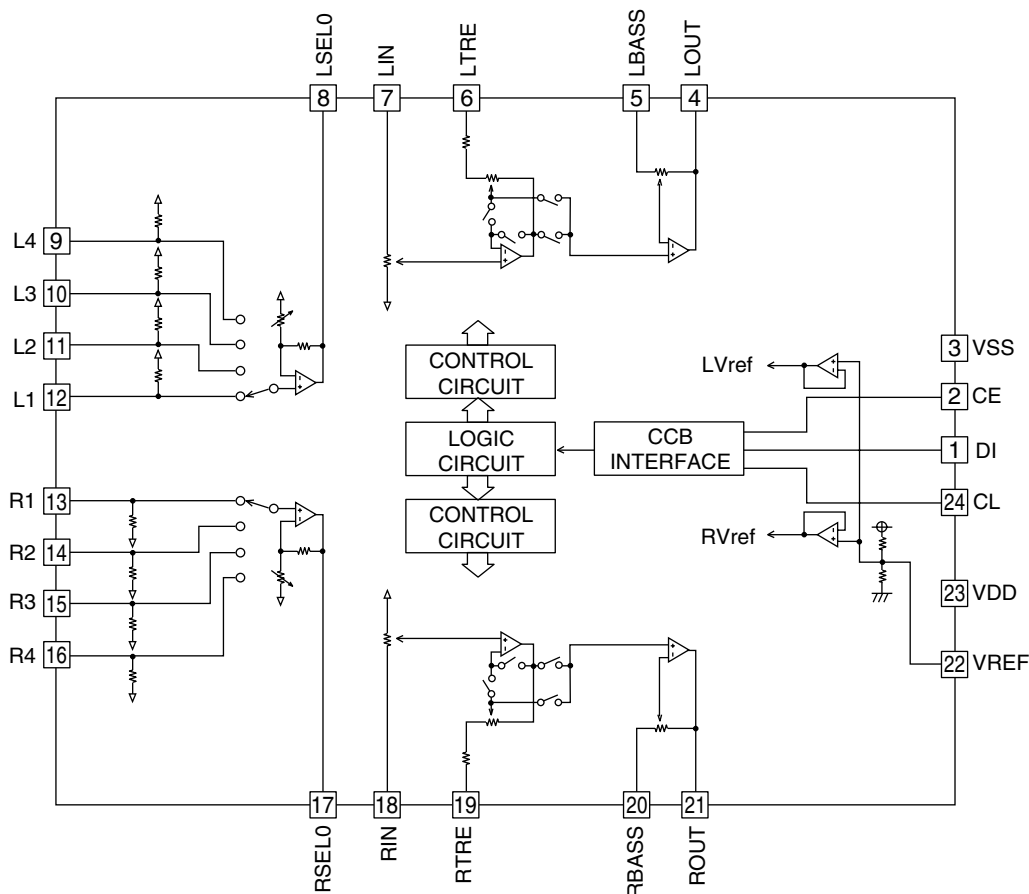


Figure 1 BLOCK DIAGRAM OF IC

IC701 RH-iX0058SJZZ: System Microcomputer (IX0058SJ) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P16/T1PWML	TIMER LED	Output	LED DRIVER (H LED ON).
2	P17/T1PWMH/BUZ	SW_SEL	Output	SUB WOOF OUTPUT SELELCT.
3*	PWM2/IN4/T1IN	PROG1	—	PROGRAM USE.
4*	PWM3/IN4/T1IN	PROG2	—	PROGRAM USE.
5*	P32/IN4/T1IN	PROG3	—	PROGRAM USE.
6	P33/IN4/T1IN	P_CON	Output	POWER CONTROL.
7	P34/IN5/T1IN	FAN_START	Output	FAN START.
8	P35/IN5/T1IN	P_MUTE	Output	MUTE.
9*	P36/IN5/T1IN/AN12	NO USE	—	
10*	P37/IN5/T1IN/AN13	NO USE	—	
11	RES	RESET IN PUT	—	
12	XT1/AN10	CRYSTAL IN	—	
13	XT2/AN11	CRYSTAL OUT	—	
14	VSS1	GND	—	
15	CF1	CRYSTAL IN	—	
16	CF2	CRYSTAL IN	—	
17	VDD1	VDD1	—	
18	P80/AN0	KEY1	Input [AD]	KEY SCAN1.
19	P81/AN1	KEY2	Input [AD]	KEY SCAN2.
20	P82/AN2	POWER KEY	Input	POWER KEY (FOR TEST MODE).
21*	P83/AN3	RDS VSM	Input [AD]	TUNER SMETER.
22*	P84/AN4	RDS DATA	Input	RDS DATA IN.
23	P85/AN5	FAN_PRO	Input [AD]	FAN PROTECT.
24*	P86/AN6	PATCH_DATA	Input	12C SDA (EEPROM DATA).
25	P87/AN7/MICIN	MODEL_CHECK	Input [AD]	DIFFERENT COUNTRY SELECT.
26	P70/INT0/TOLCP/ AN8	SYS_STOP	Input [INT]	SYSTEM STOP CHECK OUT.
27	P71/INT1/TOHCP/ AN9	DVD_STB	Input [INT]	DVD STOROB.
28*	P72/INT2/TOIN/ NKIN	RDS_CLE	Input [INT]	RDS CLK SIGNAL
29	P73/INT3/TOIN	IRQ	Input [INT]	REMOTE SIGNAL INPUT.
30	S0/T0	1G	—	VFD SEGMENT.
31	S1/T1	2G	—	VFD SEGMENT.
32	S2/T2	3G	—	VFD SEGMENT.
33	S3/T3	4G	—	VFD SEGMENT.
34	S4/T4	5G	—	VFD SEGMENT.
35	S5/T5	6G	—	VFD SEGMENT.
36	S6/T6	7G	—	VFD SEGMENT.
37	S7/T7	8G	—	VFD SEGMENT.
38	S8/T8	9G	—	VFD SEGMENT.
39	S9/T9	10G	—	VFD SEGMENT.
40	S10/T10	11G	—	VFD SEGMENT.
41*	S11/T11	NO USE	—	VFD SEGMENT.
42	S12/T12	P1	—	VFD SEGMENT.
43	S13/T13	P2	—	VFD SEGMENT.
44	S14/T14	P3	—	VFD SEGMENT.
45	S15/T15	P4	—	VFD SEGMENT.
46	VDD3	VDD3	—	
47	S16/PC0	P5	—	VFD SEGMENT.
48	S17/PC1	P6	—	VFD SEGMENT.
49	S18/PC2	P7	—	VFD SEGMENT.
50	S19/PC3	P8	—	VFD SEGMENT.
51	FIX0	GND	—	
52	S20/PC4	P9	—	VFD SEGMENT.
53	S21/PC5	P10	—	VFD SEGMENT.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Pin No.	Port Name	Terminal Name	Input/Output	Function
54	S22/PC6	P11	—	VFD SEGMENT.
55	S23/PC7	P12	—	VFD SEGMENT.
56	S24/PD0	P13	—	VFD SEGMENT.
57	S25/PD1	P14	—	VFD SEGMENT.
58	S26/PD2	P15	—	VFD SEGMENT.
59	S27/PD3	P16	—	VFD SEGMENT.
60	S28/PD4	P17	—	VFD SEGMENT.
61	S29/PD5	P18	—	VFD SEGMENT.
62	S30/PD6	P19	—	VFD SEGMENT.
63	S31/PD7	P20	—	VFD SEGMENT.
64	S32/PE0	SW1_MECHA	Input	5-DISC CHANGER SWITCH.
65	S33/PE1	SW2_MECHA	Input	5-DISC CHANGER SWITCH.
66	S34/PE2	SW3_MECHA	Input	5-DISC CHANGER SWITCH.
67	S35/PE3	SW4_MECHA	Input	5-DISC CHANGER SWITCH.
68	S36/PE4	SW5_MECHA	Input	5-DISC CHANGER SWITCH.
69	S37/PE5	SW6_MECHA	Input	5-DISC CHANGER SWITCH.
70	S38/PE6	SW7_MECHA	Input	5-DISC CHANGER SWITCH.
71	S39/PE7	SW8_MECHA	Input	5-DISC CHANGER SWITCH.
72	VDD4	VDD4	—	
73	S40/PF0	CD_PH	Input	5-DISC CHANGER PHOTO INTERRUPTER.
74	S41/PF1	MM+	Output	5-DISC CHANGER MOTOR+.
75	S42/PF2	MM-	Output	5-DISC CHANGER MOTOR-.
76	S43/PF3	CD_SOL	Output	5-DISC CHANGER SOL.
77	S44/PF4	JOG_DOWN	Input	VOLUME DOWN.
78	S45/PF5	JOG_UP	Input	VOLUME UP.
79	S46/PF6	FM_ST	Input	FM STERO SIGNAL (TUNER).
80	S47/PF7	SD	Input	SD SIGNAL (TUNER).
81*	S48/PG0	SPAN	Input	AM STEP SELECT (W ONLY)
82*	S49/PG1	P_STB	Output	POWER STAND-BY.
83	S50/PG2	CD+B	Output	CD POWER CONTROL.
84*	S52/PG3	NOT USE	—	
85	PO0	PLL/VOL CE	Output	PLL/VOL CHIP SELECT.
86	PO1	PLL DI	Output	PLL DI.
87	PO2	PLL/VOL CL	Output	PLL/VOL/EEPROM CLOCK.
88	PO3	SP_RELAY	Output	SPEAKER RELAY CONTROL.
89	VSS2	VSS2	—	
90	VDD2	VDD2	—	
91	PO4	PLL/VOL DO	Input	PLL/VOL DATA OUT.
92	PO5/CK0	SP_DETECT	Input	SPEAKER SHORT DETECT.
93*	PO6/T60	NOT USE	—	
94	PO7/T70	SINGAL_LVL	Input	SPEAKER OUT LEVEL CHECK OUT.
95	P10/SO0	DVD DI (FROM SYS)	Output	DATA IN.
96	P11/SI0/SB0	DVD DO (FROM DVD)	Input	DATA OUT.
97	P12/SCK0	DVD CL	Input	DATA CLK.
98	P13/SO1	DVD BUSY	Output	DVD BUSY.
99	P14/S11/SB1	CLID OUT	Output	DVD CLID OUT.
100	P15/SCK1	SUB WOOF VOL CE	Output	SUB WOOF VOL (LC75341-2) CE.

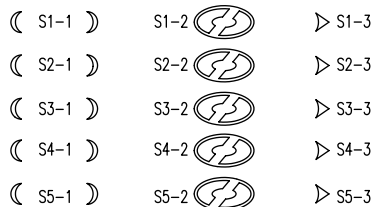
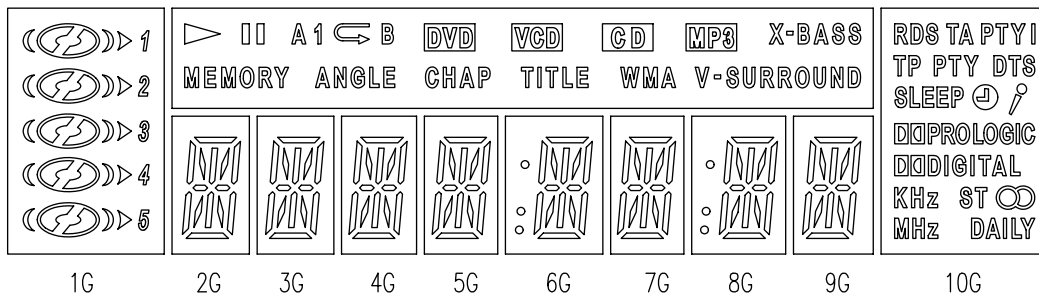
In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

[2] FL DISPLAY

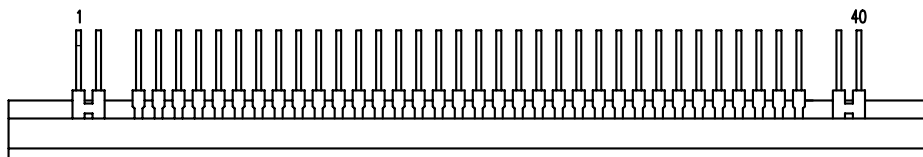
VFD701 VVK251116//1

GRID ASSIGNMENT

11G

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
P1	S1-1										
P2	S1-2										
P3	S1-3										
P4	f										X-BASS
P5	S2-1					Dp		Dp		RDS	MEMORY
P6	S2-2					col		col		TA	ANGLE
P7	S2-3	a	a	a	a	a	a	a	a	PTYI	CHAP
P8	2	f	f	f	f	f	f	f	f	TP	TITLE
P9	S3-1	h	h	h	h	h	h	h	h	PTY	WMA
P10	S3-2	j	j	j	j	j	j	j	j	DTS	V-
P11	S3-3	k	k	k	k	k	k	k	k	SLEEP	SURROUND
P12	3	b	b	b	b	b	b	b	b	⌚	MP3
P13	S4-1	g	g	g	g	g	g	g	g	🔑	CD
P14	S4-2	m	m	m	m	m	m	m	m	DIGITAL	VCD
P15	S4-3	e	e	e	e	e	e	e	e	DPROLOGIC	DVD
P16	4	n	n	n	n	n	n	n	n	KHz	B
P17	S5-1	p	p	p	p	p	p	p	p	ST	↩
P18	S5-2	r	r	r	r	r	r	r	r	∞	A
P19	S5-3	c	c	c	c	c	c	c	c	MHz	1
P20	5	d	d	d	d	d	d	d	d	DAILY	⏪

OUTER DRAWINGPIN CONNECTION

PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONNECTION	F	F	NP	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	NC	NC	NC	P1	P2	P3
PIN NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CONNECTION	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	NP	F	F

SHARP PARTS GUIDE

DVD MICRO SYSTEM

MODEL XL-DV5

XL-DV5 DVD Micro System consisting of XL-DV5 (main unit), CP-DV5F (front speakers) and CP-DV5SW (subwoofer).

MODEL XL-DV50

XL-DV50 DVD Micro System consisting of XL-DV50 (main unit), CP-DV50F (front speakers) and CP-DV50SW (subwoofer).

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. No. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

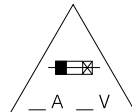
VCC Ceramic type
VCK Ceramic type
VCT Semiconductor type
VC •• MF Cylindrical type (without lead wire)
VC •• MN Cylindrical type (without lead wire)
VC •• TV Square type (without lead wire)
VC •• TQ Square type (without lead wire)
VC •• CY Square type (without lead wire)
VC •• CZ Square type (without lead wire)
VC J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD Carbon-film type
VRS Carbon-film type
VRN Metal-film type
VR •• MF Cylindrical type (without lead wire)
VR •• MN Cylindrical type (without lead wire)
VR •• TV Square type (without lead wire)
VR •• TQ Square type (without lead wire)
VR •• CY Square type (without lead wire)
VR •• CZ Square type (without lead wire)
VR J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.



CAUTION:FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F201,202 5A, 125V/ F203 2A, 125V/F204 3.15A,125V FUSES.

ATTENTION:POUR ASSURER UNE LONGUE PROTECTION CONTRE UN INCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DE TYPE F201,202 5A, 125V/ F203 2A, 125V/F204 3.15A,125V FUSES.

NOTE:

Parts marked with "△" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

XL-DV5/DV50

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
INTEGRATED CIRCUITS				
IC101	VHILM4733TA-1	J	AY	Power Amp.,LM4733TA
IC201	VHIKIA7805API	J	AF	Voltage Regulator,KIA7805AP
IC202	VHIKIA7812API	J	AE	Voltage Regulator,KIA7812API
IC203	VHILM2576T/-1	J	AR	Voltage Regulator,M2576T
IC204	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC601	VHILC75341M-1	J	AM	Signal Control,LC75341M
IC602	VHINJM4558D-1	J	AH	Buffer Amp.,NJM4558D or AN4558
IC603	VHILC75341M-1	J	AM	Signal Contro,LC75341M
IC701	RH-IX0058SJZZ	J	BH	System Microcomputer, IX0058SJ

TRANSISTORS

Q101,102	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q107,108	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052F+
Q109	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q110	VSKRA107M/-1	J	AE	Digital,PNP,KRA107 M
Q111	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q112~115	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q116	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q117	VS2SB562-C/-1	J	AD	Silicon,PNP,2SB562 C
Q118	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q201	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q202	VS2SC535-C/-1	J	AC	Silicon,NPN,2SC535 C
Q203	VSKTC3200GR-1	J	AC	Silicon,NPN,KTC3200 GR
Q204	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q205,206	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q207	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052F+
Q208	VS2SA1235F+-1	J	AD	Silicon,PNP,2SA1235F+
Q213	VS2SB562-C/-1	J	AD	Silicon,PNP,2SB562 C
Q214	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052F+
Q302	VS2SC535-C/-1	J	AC	Silicon,NPN,2SC535 C
Q306	VS2SC535-C/-1	J	AC	Silicon,NPN,2SC535 C
Q351	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q502	VSKRC102M/-1	J	AC	Digital,NPN,KRC102 M
Q503	VS2SB562-C/-1	J	AD	Silicon,PNP,2SB562 C
Q504	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q505	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q506,507	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q508	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q509	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q511	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q702	VSKRC102M/-1	J	AC	Digital,NPN,KRC102 M
Q703~705	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR

DIODES

D104~106	VHD1N4148/-1	J	AA	Silicon,1N4148
D107	VHD1N4004/-1	J	AB	Silicon,1N4004
D108	VHD1N4148/-1	J	AA	Silicon,1N4148
D109~112	VHD1N4004/-1	J	AB	Silicon,1N4004
D201	VHDTs6B04GM-1	J	AP	Silicon,TS6B04GM-1
D205	VHDKBP304GM-1	J	AF	Silicon,KBP304GM-1
D209~213	VHD1N4004/-1	J	AB	Silicon,1N4004
△ D214~217	VHD1N4004/-1	J	AB	Silicon,1N4004
D218,219	VHD1N4004/-1	J	AB	Silicon,1N4004
D231	VHD1N5822/-1	J		Silicon,1N5822
D232	VHD1N4004/-1	J	AB	Silicon,1N4004
D301,302	VHD1N4148/-1	J	AA	Silicon,1N4148
D305~308	VHD1N4148/-1	J	AA	Silicon,1N4148
D604,605	VHD1N4148/-1	J	AA	Silicon,1N4148
D701	VHD1N4004/-1	J	AB	Silicon,1N4004
D702~705	VHD1N4148/-1	J	AA	Silicon,1N4148
D706	VHD1N4004/-1	J	AB	Silicon,1N4004
D708	VHD1N4004/-1	J	AB	Silicon,1N4004
D710,711	VHD1N4148/-1	J	AA	Silicon,1N4148
LED701	VHPLP3052A+-1	J	AC	LED,Red,LP3052A+
VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCKDV147B/-1	J	AH	Variable Capacitance,KDV147B
ZD101	VHEDZH06B2+-1	J	AB	Zener,6.2V,DZH06B2+
ZD201	VHEDZH3001+-1	J	AB	Zener,30V,DZH3001+

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
ZD202	VHEDZH06C2+-1	J	AB	Zener,6.2V,DZH06C2+
ZD351	VHEDZH05C2+-1	J	AB	Zener,5.1V,DZH05C2+
ZD701	VHEDZH03C3+-1	J	AB	Zener,3.3V,DZH03C3+

FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF302,303	RFILF0004SJZZ	J	AG	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0003SJZZ	J	AF	AM IF

TRANSFORMERS

△ T201	RTRNPA005SJZZ	J	BC	Power (Main)
△ T202	RTRNP0056SJZZ	J	AM	Power (Sub)
T302	RCILA0007SJZZ	J	AG	AM Antenna
T304	RCILI0005SJZZ	J	AF	FM IF
T306	RCILB0009SJZZ	J	AG	AM OSC.
T351	RCILI0004SJZZ	J	AF	AM IF

COILS

L103	VP-DH100K0000	J	AB	10 μH,Choke
L105	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
L206	RCILCA001SJZZ	J		100 μH
L302	RCILR0003SJZZ	J	AD	FM RF
L303	RCILB0016SJZZ	J	AD	FM OSC.
L351,352	VP-DH101K0000	J	AB	100 μH,Choke
L353	VP-DH102K0000	J	AB	1 mH,Choke
L502,503	VP-DHR82K0000	J	AE	0.82 μH,Choke
L601	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
L701~705	VP-DHR82K0000	J	AE	0.82 μH,Choke
L901	RCILCA002SJZZ	J		10 μH
L902~907	RBLN-A001SJZZ	J		Ferrite Bead,120 ohms
△ LF201	RCILZ0005SJZZ	J	AF	Line Filter

VARIABLE RESISTORS

VR351	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [FM Mute Level]
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VIBRATORS

X351	RCRM-0007SJZZ	J	AG	VCO,456 kHz
X352	RCRSP0003SJZZ	J	AL	Crystal,4.5 MHz
X701	RCRSPA007SJZZ	J	AE	Crystal,32.768 kHz
X702	RCRM-0008SJZZ	J	AG	Ceramic,8 MHz

CAPACITORS

C101,102	VCKYCY1HB221K	J	AA	220 pF,50V
C104,105	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C106	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C107,108	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C109	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C119~121	VCKYCY1HF223Z	J	AA	0.022 μF,50V
C122,123	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C124	VCKYCY1HF223Z	J	AA	0.022 μF,50V
C125	VCFYFA1HA104J	J	AC	0.1 μF,50V,Thin Film
C126	VCKYCY1HB104K	J	AD	0.1 μF,50V
C127,128	VCFYFA1HA104J	J	AC	0.1 μF,50V,Thin Film
C129	VCKYCY1HB104K	J	AD	0.1 μF,50V
C130	VCFYFA1HA104J	J	AC	0.1 μF,50V,Thin Film
C131~133	VCKYPA1HB472K	J	AB	0.0047 μF,50V
C134	RC-GZA336AF1C	J	AB	33 μF,16V,Electrolytic
C135,136	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C137	VCKYPA1HB104K	J	AC	0.1 μF,50V
C138	VCKYCY1HB104K	J	AD	0.1 μF,50V
C139	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C140	VCKYCY1HB222K	J	AA	0.0022 μF,50V
C141	RC-GZA335AF1C	J	AB	3.3 μF,16V,Electrolytic
C142	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C162~164	VCKYCY1HB151K	J	AA	150 pF,50V
C165	VCKYCY1HB472K	J	AA	0.0047 μF,50V
C167	VCKYCY1HB472K	J	AA	0.0047 μF,50V
C169	VCKYCY1HB472K	J	AA	0.0047 μF,50V
C171	VCKYCY1HB221K	J	AA	220 pF,50V
C201	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C202	VCKYPA1HF223Z	J	AB	0.022 μF,50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C203~206	VCFYFA1HA104J	J	AC	0.1 μF,50V,Thin Film	C396	RC-GZA107AF1A	J	AB	100 μF,10V,Electrolytic
C207	RC-GZV227AF1H	J	AC	220 μF,50V,Electrolytic	C397	VCKYCY1EF223Z	J	AB	0.022 μF,25V
C208	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic	C398	RC-GZA107AF1A	J	AB	100 μF,10V,Electrolytic
C209	RC-GZV337AF1V	J	AB	330 μF,35V,Electrolytic	C399	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C210	RC-GZA107AF1H	J	AC	100 μF,50V,Electrolytic	C506	RC-EZD476AF1C	J	AC	47 μF,16V,Electrolytic
C211,212	RC-GZW478AF1V	J	AH	4700 μF,35V,Electrolytic	C515	VCKYCY1HF223Z	J	AA	0.022 μF,50V
C213	VCKYPA1HF473Z	J	AB	0.047 μF,50V	C601,602	RC-GZA105AF1C	J	AB	1 μF,16V,Electrolytic
C214	RC-EZW688AF1E	J	J	6800 μF,25V,Electrolytic	C604	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C215	VCKYPA1HF473Z	J	AB	0.047 μF,50V	C605,606	RC-GZA105AF1C	J	AB	1 μF,16V,Electrolytic
C217	RC-GZA477AF1C	J	AC	470 μF,16V,Electrolytic	C607~610	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C219	VCKYCY1HF223Z	J	AA	0.022 μF,50V	C611,612	VCKYPA1HB272K	J	AA	0.0027 μF,50V
C220	RC-GZA227AF1E	J	AB	220 μF,25V,Electrolytic	C613,614	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C221	VCKYCY1HB473K	J	AB	0.047 μF,50V	C615,616	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C222	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic	C617	RC-GZA336AF1C	J	AB	33 μF,16V,Electrolytic
C223	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic	C618	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C224	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic	C619~621	VCKYCY1HB221K	J	AA	220 pF,50V
C225,226	RC-GZA107AF1H	J	AC	100 μF,50V,Electrolytic	C622,623	VCKYCY1HB104K	J	AD	0.1 μF,50V
C227	RC-GZV228AF1C	J	AG	2200 μF,16V,Electrolytic	C624,625	RC-GZA105AF1C	J	AB	1 μF,16V,Electrolytic
C228,229	VCFYFA1HA473J	J	AB	0.047 μF,50V,Thin Film	C631	VCQYKA1JM274J	J	AC	0.27 μF,63V,Mylar
C230	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic	C632,633	VCKYPA1HB272K	J	AA	0.0027 μF,50V
C236	RC-EZW688AF1E	J	J	6800 μF,25V,Electrolytic	C634	VCKYCY1HB272K	J	AA	0.0027 μF,50V
C237	RC-GZW228AF1V	J	AF	2200 μF,35V,Electrolytic	C635	VCQYKA1JM274J	J	AC	0.27 μF,63V,Mylar
C245	RC-GZA477AF1C	J	AC	470 μF,16V,Electrolytic	C637,638	VCQYKA1JM474J	J	J	0.47 μF,63V,Mylar
C301	VCKYCY1EF123Z	J	AA	0.012 μF,25V	C639	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C302,303	VCKYCY1HB102K	J	AA	0.001 μF,50V	C640	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C304	VCKYCY1EF103Z	J	AA	0.01 μF,25V	C652	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic
C305	VCKYCY1HB472K	J	AA	0.0047 μF,50V	C656	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C306	VCCUCY1HJ9R0D	J	AB	9 pF (UJ),50V	C657	VCKYCY1EF473Z	J	AB	0.047 μF,25V
C307	VCKYCY1HB472K	J	AA	0.0047 μF,50V	C661~664	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C308	VCKYCY1EF223Z	J	AB	0.022 μF,25V	C666~668	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C309	VCKYCY1HB102K	J	AA	0.001 μF,50V	C669	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C311	VCCCPA1HH100J	J	AA	10 pF (CH),50V	C670	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C312	VCCSCY1HL330J	J	AD	33 pF,50V	C671	RC-GZA336AF1C	J	AB	33 μF,16V,Electrolytic
C313	VCCUCY1HJ6R0D	J	AB	6 pF (UJ),50V	C674	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C314	VCCCCY1HH220J	J	AA	22 pF (CH),50V	C676	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C315	VCKYCY1HB101K	J	AB	100 pF,50V	C678	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C316	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic	C681	VCKYCY1HB221K	J	AA	220 pF,50V
C317	VCKYCY1EF223Z	J	AB	0.022 μF,25V	C682	VCKYPA1HB221K	J	AA	220 pF,50V
C318	VCCSCY1HL5R0C	J	AD	5 pF,50V	C683	VCKYCY1HB221K	J	AA	220 pF,50V
C319	VCCCCY1HH180J	J	AA	18 pF (CH),50V	C693	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C321	VCKYCY1HB332K	J	AA	0.0033 μF,50V	C694,695	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C329	VCKYCY1EF223Z	J	AB	0.022 μF,25V	C696	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C330	VCCCPA1HH120J	J	AA	12 pF (CH),50V	C697,698	VCQYKA1JM474J	J	J	0.47 μF,63V,Mylar
C331	VCKYCY1EF473Z	J	AB	0.047 μF,25V	C701,702	VCKYCY1EB104K	J	AD	0.1 μF,25V
C332	VCKYPA1HF223Z	J	AB	0.022 μF,50V	C703,704	VCCCCY1HH240J	J	AA	24 pF (CH),50V
C334	VCCUPA1HJ270J	J	AA	27 pF (UJ),50V	C705	VCKYCY1EB104K	J	AD	0.1 μF,25V
C335	VCKYCY1HB561K	J	AA	560 pF,50V	C706	RC-EZD227AF1A	J	AC	220 μF,10V,Electrolytic
C337	VCKYPA1HF223Z	J	AB	0.022 μF,50V	C707	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C343,344	VCCSCY1HL330J	J	AD	33 pF,50V	C708	VCKYCY1HB101K	J	AB	100 pF,50V
C349	VCKYCY1HB102K	J	AA	0.001 μF,50V	C709	RC-EZD107AF1A	J	AB	100 μF,10V,Electrolytic
C350,351	VCKYCY1EF223Z	J	AB	0.022 μF,25V	C710	VCKYCY1HF473Z	J	AB	0.047 μF,50V
C352	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic	C711	VCKYCY1EB104K	J	AD	0.1 μF,25V
C353,354	VCKYCY1EF223Z	J	AB	0.022 μF,25V	C712	RC-EZD336AF1C	J	AB	33 μF,16V,Electrolytic
C355	VCCSCY1HL220J	J	AD	22 pF,50V	C713	VCKYCY1HF103Z	J	AB	0.01 μF,50V
C356	VCKYCY1HB102K	J	AA	0.001 μF,50V	C714,715	VCKYCY1HB102K	J	AA	0.001 μF,50V
C357	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic	C716	RC-EZD476AF1C	J	AC	47 μF,16V,Electrolytic
C358	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic	C902	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C360,361	VCKYCY1EF223Z	J	AB	0.022 μF,25V	C903	VCKYCY1CB104K	J	AB	0.1 μF,16V
C362	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic					
C363	VCKYCY1EF223Z	J	AB	0.022 μF,25V					
C364	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic					
C365	VCKYCY1EF223Z	J	AB	0.022 μF,25V					
C366	VCKYCY1HB102K	J	AA	0.001 μF,50V					
C367,368	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic					
C369	VCCSCY1HL560J	J	AD	56 pF,50V					
C370~372	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic					
C373,374	VCTYPA1CX223K	J	AA	0.022 μF,16V					
C378	VCKYPA1HB331K	J	AA	330 pF,50V					
C380	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic					
C381	VCCCCY1HH120J	J	AA	12 pF (CH),50V					
C382	VCCCCY1HH150J	J	AA	15 pF (CH),50V					
C383	VCKYCY1EF223Z	J	AB	0.022 μF,25V					
C384	VCKYCY1HB102K	J	AA	0.001 μF,50V					
C385	VCKYPA1HF103Z	J	AB	0.01 μF,50V					
C386	VCKYPA1HB331K	J	AA	330 pF,50V					
C387	VCKYCY1EF223Z	J	AB	0.022 μF,25V					
C388	VCKYCY1HB104K	J	AD	0.1 μF,50V					
C391	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic					
C392	VCKYCY1HB102K	J	AA	0.001 μF,50V					
C393	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic					
C394	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic					
C395	VCKYCY1EF223Z	J	AB	0.022 μF,25V					

RESISTORS

R104	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R105	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R107,108	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R110	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R111	VRD-ST2EE102J	J	AA	1 kohm,1/4W
R112	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R113~115	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R116~118	VRS-CY1JB393J	J	AA	39 kohms,1/16W
R119	VRD-ST2EE472J	J	AA	4.7 kohms,1/4W
R122,123	VRS-CY1JB183J	J	AA	18 kohms,1/16W
R124	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R134~136	VRD-ST2EE6R8J	J	AA	6.8 ohms,1/4W
R137~139	VRS-CY1JB563J	J	AA	56 kohms,1/16W
R140	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R141	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R142	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R143	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R144	VRS-CY1JB4R7J	J	AA	4.7 ohms,1/16W
R145	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R146,147	VRD-ST2EE221J	J	AA	220 ohms,1/4W

XL-DV5/DV50

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R149,150	VRD-ST2EE471J	J	AA	470 ohms,1/4W
R151	VRS-CY1JB471J	J	AA	470 ohms,1/16W
R154	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R155	VRD-ST2EE332J	J	AA	3.3 kohms,1/4W
R156	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R157	VRS-CY1JB183J	J	AA	18 kohms,1/16W
R158	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R159	VRD-ST2EE473J	J	AA	47 kohms,1/4W
R160	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R161,162	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R163	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R172	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R175	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R202	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R203	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R204	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R205	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R206,207	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R209	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R210	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R211	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R212	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R213	VRS-CY1JB474J	J	AA	470 kohms,1/16W
R214	VRD-RT2HD300J	J		30 ohms,1/2W
R215	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R216	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R217	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R218	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R219	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R220	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R221	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W
R223	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W
R224	VRD-ST2CD121J	J	AA	120 ohms,1/6W
R232	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R233	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R234	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R245	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R246	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R247	VRD-ST2EE122J	J	AA	1.2 kohms,1/4W
R301	VRD-ST2EE220J	J	AA	22 ohms,1/4W
R302	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R303	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R304	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R305	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R306	VRS-CY1JB330J	J	AA	33 ohms,1/16W
R307	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R308	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R309	VRD-ST2EE471J	J	AA	470 ohms,1/4W
R310	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R312	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R313	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R314,315	VRS-CY1JB330J	J	AA	33 ohms,1/16W
R316	VRS-CY1JB331J	J	AA	330 ohms,1/16W
R323	VRS-CY1JB683J	J	AA	68 kohms,1/16W
R336	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R350	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W
R351	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R352	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R353	VRS-CY1JB271J	J	AA	270 ohms,1/16W
R355	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R356	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R357	VRS-CY1JB474J	J	AA	470 kohms,1/16W
R358	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W
R359	VRS-CY1JB182J	J	AA	1.8 kohms,1/16W
R360	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R361,362	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8x1.55mm,Green
R365	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R366	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R371~374	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R376	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R377	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R379	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R380	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R381	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R382	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R383	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R384	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R385	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R386	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R387	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R393	VRS-CY1JB102J	J	AA	1 kohm,1/16W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R395	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R399	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R501A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R501B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R502A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R502B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R503A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R503B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R504A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R504B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R505A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R505B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R506A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R506B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R507A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R507B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R508A	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R508B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R509	VRS-CY1JB391J	J	AA	390 ohms,1/16W
R510	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R511	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R512	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R513	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R514	VRS-CY1JB391J	J	AA	390 ohms,1/16W
R516	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R521	VRS-CY1JB391J	J	AA	390 ohms,1/16W
R525	VRS-VV3AA271J	J	AB	270 ohms,1W
R526	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R601~603	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R604~607	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R608	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R609	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R610,611	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R612	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R613	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W
R614	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R615	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R616	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R617	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R618	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R619	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R620,621	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R622	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R623	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R624,625	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R628,629	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R630	VRD-ST2EE121J	J	AA	120 ohms,1/4W
R631	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R634	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R635	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R636	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R640	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R641	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R642	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R643,644	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R645	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R646	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R648	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R649	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R651	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R655	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R658	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R659	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R661	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R662,663	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R665~667	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R675	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R676	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R677	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R678	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R679,680	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R681	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R682	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R683	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R684	VRD-ST2CD681J	J	AA	680 ohms,1/6W
R685	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R686	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R687	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R688	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R691	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R692	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R694	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R696	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R787~789	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R701	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R797	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R702	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R799	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R703	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R901~903	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8x1.55mm,Green
R704	VRD-ST2CD103J	J	AA	10 kohm,1/6W	R904,905	VRS-CY1JB750J	J	AA	75 ohms,1/16W
R705~710	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R906	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8x1.55mm,Green
R712	VRS-CY1JB221J	J	AA	220 ohms,1/16W	OTHER CIRCUITRY PARTS				
R713	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CFW101	QCWNWA102SJZZ	J		Lead Wire Ass'y
R714,715	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CFW750	QCWNWA103SJZZ	J		Lead Wire
R716	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CFW751	QCWNWA105SJZZ	J		Lead Wire Ass'y
R718	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP101	QCNCM999JAFZZ	J	AC	Plug,9Pin
R719	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CNP102	QCNCM999GAFZZ	J	AD	Plug,7Pin
R720,721	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP103A	QCNCMA014SJ07	J	AB	Plug,7Pin
R722,723	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CNP103B	QCNCMA014SJ07	J	AB	Plug,7Pin
R724,725	VRS-CY1JB221J	J	AA	220 ohms,1/16W	△ CNP201	QCNCM017BSJZZ	J	AD	Plug,3Pin
R727	VRD-ST2CD103J	J	AA	10 kohm,1/6W	△ CNP202	QCNCM017CSJZZ	J		Plug,3Pin
R728~732	VRD-ST2CD102J	J	AA	1 kohm,1/6W	△ CNP203	QCNCM018BSJZZ	J		Plug,3Pin
R733	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W	△ CNP204	QCNCM998EAFZZ	J	AG	Plug,6Pin
R735	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CNP205	QCNCM046CSJZZ	J	AD	Plug,3Pin
R737	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP301	QCNCM042CSJZZ	J	AB	Plug,3Pin
R738,739	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CNP302	QCNCM999JAFZZ	J	AC	Plug,9Pin
R740	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP501	QCNCW015QSJZZ	J	AE	Socket,15Pin
R741	VRS-CY1JB106J	J	AA	10 Mohm,1/16W	CNP602	QCNCM999GAFZZ	J	AD	Plug,7Pin
R742~744	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CNP802	QCNCM004GAFZZ	J	AC	Plug,7Pin
R745B	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8x1.55mm,Green	CNP807	QCNCMA019SJ07	J		Plug,7Pin
R746~750	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CNP904	QCNCM999DAFZZ	J	AG	Plug,4Pin
R751	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP904A	QCNCMA020SJ12	J		Plug,12Pin
R752A	VRS-CY1JB823J	J	AA	82 kohms,1/16W	CNW101/CNS101	QCWNWA031SJZZ	J		Connector Ass'y,9/9Pin
R752B	VRS-CY1JB823J	J	AA	82 kohms,1/16W	CNW102/CNS102	QCWNWA033SJZZ	J		Connector Ass'y,7/7Pin
R752C	VRS-CY1JB823J	J	AA	82 kohms,1/16W	CNW103	QCWNWA108SJZZ	J		Connector Ass'y,7/7Pin
R752D	VRS-CY1JB823J	J	AA	82 kohms,1/16W	△ CNW201/CNS201	QCWNWA024SJZZ	J		Connector Ass'y,3/3Pin
R752E	VRS-CY1JB823J	J	AA	82 kohms,1/16W	CNW205	QCWNWA035SJZZ	J	AC	Connector Ass'y,3Pin
R752F	VRS-CY1JB823J	J	AA	82 kohms,1/16W	CNW206	QCWNWA107SJZZ	J		Connector Ass'y,3/2Pin
R752G	VRS-CY1JB823J	J	AA	82 kohms,1/16W	CNW302/CNS302	QCWNWA032SJZZ	J		Connector Ass'y,10/9Pin
R752H	VRS-CY1JB823J	J	AA	82 kohms,1/16W	CNW602/CNS602	QCWNWA030SJZZ	J		Connector Ass'y,8/7Pin
R752I	VRS-CY1JB823J	J	AA	82 kohms,1/16W	△ F201	QFS-D502BSJN1	J	AE	Fuse,5A/125V
R752J	VRS-CY1JB823J	J	AA	82 kohms,1/16W	△ F202	QFS-D502BSJN1	J	AE	Fuse,5A/125V
R752K	VRS-CY1JB823J	J	AA	82 kohms,1/16W	△ F203	QFS-D202BSJN1	J	AB	Fuse,2A/125V
R753A	VRS-CY1JB823J	J	AA	82 kohms,1/16W	△ F204	QFS-D322BSJN1	J	AC	Fuse,3.15A/125V
R753B	VRS-CY1JB823J	J	AA	82 kohms,1/16W	FC501	QCWNWA013SJZZ	J	AE	Flat Cable,15Pin
R753C	VRS-CY1JB823J	J	AA	82 kohms,1/16W	JK101	QJAKMA001SJZZ	J	AG	Jack,Headphones
R753D	VRS-CY1JB823J	J	AA	82 kohms,1/16W	M201(218-4)	RMOTV0409AFZZ	J	AL	Motor,Air Cooling Fan
R753E	VRS-CY1JB823J	J	AA	82 kohms,1/16W	MR101	RCORFA004SJZZ	J		Core
R753F	VRS-CY1JB823J	J	AA	82 kohms,1/16W	MR201	RCORFA004SJZZ	J		Core
R753G	VRS-CY1JB823J	J	AA	82 kohms,1/16W	RLY101	RRLYD0014AWZZ	J	AK	Relay
R753H	VRS-CY1JB823J	J	AA	82 kohms,1/16W	RLY102	RRLYDA001SJZZ	J	AH	Relay
R753I	VRS-CY1JB823J	J	AA	82 kohms,1/16W	△ RLY201	RRLYD0004SJZZ	J	AG	Relay
R753J	VRS-CY1JB823J	J	AA	82 kohms,1/16W	RX701	VHLGP1UD261-1	J	AK	Remote Sensor,GP1UD261
R753K	VRS-CY1JB823J	J	AA	82 kohms,1/16W	S901	QSOCJA001SJZZ	J		Socket,Component Video Output
R753L	VRS-CY1JB823J	J	AA	82 kohms,1/16W	S902	QSOCJA002SJZZ	J		Socket,S-Video/Video Output
R753M	VRS-CY1JB823J	J	AA	82 kohms,1/16W	S903	VHPBFTX1001-1	J		Terminal,Audio Digital Output
R753N	VRS-CY1JB823J	J	AA	82 kohms,1/16W	SO101	QTANAA002SJZZ	J	AF	Terminal,Speaker
R753O	VRS-CY1JB823J	J	AA	82 kohms,1/16W	△ SO202	QSOCJA0214AWZZ	J	AD	Socket AC Input
R753P	VRS-CY1JB823J	J	AA	82 kohms,1/16W	SO601	QSOCJ0003SJZZ	J	AG	Socket,Video/AUX Input
R753Q	VRS-CY1JB823J	J	AA	82 kohms,1/16W	SW700	QSW-Z0003SJZZ	J	AG	Switch,Rotary Type,Jog [VOLUME]
R753R	VRS-CY1JB823J	J	AA	82 kohms,1/16W	SW701	QSW-K0002SJZZ	J	AC	Switch,Key Type [EQUALISER]
R753S	VRS-CY1JB823J	J	AA	82 kohms,1/16W	SW702	QSW-K0002SJZZ	J	AC	Switch,Key Type [TUNING DOWN/STOP]
R753T	VRS-CY1JB823J	J	AA	82 kohms,1/16W	SW703	QSW-K0002SJZZ	J	AC	Switch,Key Type [TUNING UP/PLAY]
R755	VRD-ST2CD102J	J	AA	1 kohm,1/6W	SW704	QSW-K0002SJZZ	J	AC	Switch,Key Type [PRESET UP]
R756	VRD-ST2CD103J	J	AA	10 kohm,1/6W	SW705	QSW-K0002SJZZ	J	AC	Switch,Key Type [PRESET DOWN]
R758	VRS-CY1JB102J	J	AA	1 kohm,1/16W	SW706	QSW-K0002SJZZ	J	AC	Switch,Key Type [DISC 1]
R760	VRD-ST2EE470J	J	AA	47 ohms,1/4W	SW707	QSW-K0002SJZZ	J	AC	Switch,Key Type [DISC 2]
R761,762	VRS-CY1JB102J	J	AA	1 kohm,1/16W	SW708	QSW-K0002SJZZ	J	AC	Switch,Key Type [MEMORY/SET]
R763	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W	SW709	QSW-K0002SJZZ	J	AC	Switch,Key Type [POWER ON/STAND-BY]
R764	VRS-CY1JB104J	J	AA	100 kohm,1/16W	SW710	QSW-K0002SJZZ	J	AC	Switch,Key Type [X-BASS/DEMO]
R765,766	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W	SW711	QSW-K0002SJZZ	J	AC	Switch,Key Type [DVD/CD]
R767	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W	SW712	QSW-K0002SJZZ	J	AC	Switch,Key Type [TUNER (BAND)]
R768	VRD-ST2CD202J	J	AA	2 kohms,1/6W	SW713	QSW-K0002SJZZ	J	AC	Switch,Key Type [VIDEO/AUX]
R769	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W	SW714	QSW-K0002SJZZ	J	AC	Switch,Key Type [DISC 3]
R770	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W	SW715	QSW-K0002SJZZ	J	AC	Switch,Key Type [DISC 4]
R772	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W	SW716	QSW-K0002SJZZ	J	AC	Switch,Key Type [DISC 5]
R773	VRD-ST2EE271J	J	AA	270 ohms,1/4W	SW717	QSW-K0002SJZZ	J	AC	Switch,Key Type
R775	VRS-CY1JB820J	J	AA	82 ohms,1/16W					
R776	VRS-CY1JB102J	J	AA	1 kohm,1/16W					
R777,778	VRS-CY1JB103J	J	AA	10 kohm,1/16W					
R779	VRS-CY1JB121J	J	AA	120 ohms,1/16W					
R780,781	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W					
R782	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W					
R783	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W					
R784	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W					
R785	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W					
R786	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W					

XL-DV5/DV50

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
VFD701	VVK251116// -1	J AV	[OPEN/CLOSE] FL Display

CHANGER MECHANISM PARTS

101	9GD662641004	J	Drawer L
102	9GD662641033	J	Drawer R
103	9GD660934115H	J	Disc 1 Carriage Ass'y
104	9GD662192019	J	Frame
105	9GD662393025	J	Arm Switch C
106	9GD662224013	J	Gear D1
107	9GD662224014	J	Gear D2
108	9GD662393018	J	Arm Switch D
109	9GD662393024	J	Arm Switch B
110	9GD662393020	J	Arm Lock
111	9GD582593021	J	Lever GC
112	9GD581194039	J	S Bracket
113	9GD662224010	J	Gear Pulley
114	9GD661192094	J	Cover
115	9GD660934103H	J	Clamper SA-S Ass'y
116	9GD662392085	J	Arm Clamper
117	9GD662393007	J	Lift Slider L
118	9GD662393005	J	PP Slider
119	9GD662112002	J	FL Base
120	9GD662393008	J	Lift Slider R
121	9GD662113026	J	Up/Down Base
122	9GD662393006	J	Up/Down Slider
123	9GD662101001	J	Main Chassis
124	9GD660934077H	J	Solenoid Ass'y
125	9GD660934073H	J	Motor Ass'y
126	9GD662392022	J	Arm Lift
127	9GD662224015	J	Gear E
128	9GD662393039	J	Arm CC Switch
129	9GD662224016	J	Gear F
130	9GD663634068	J	Gear E Collar
131	9GD662393017	J	Arm P Switch
132	9GD660934076H	J	CD Changer PWB Ass'y
133	9GD660934072H	J	Switch PWB Ass'y
134	9GD662393023	J	Arm Switch A
135	9GD662233009	J	Gear B
136	9GD662192003	J	Plate Cam
137	9GD662213021	J	Gear Cam
138	9GD662593086	J	Lever CL 1
139	9GD662593090	J	Lever CL 2
140	9GD662224088	J	Gear 1
141	9GD662224089	J	Gear 2
142	9GD660004091	J	Felt
143	9GD010814711	J	Gear E Spring
144	9GD010814710	J	Gear 1 Spring
145	9GD010814712	J	Gear D Spring
146	9GD660824059	J	Stop Spring L
147	9GD660824060	J	Stop Spring R
148	9GD010824096	J	Spring
149	9GD010804727	J	Spring A
150	9GD010824717	J	Spring B
151	9GD010824718	J	Spring C
152	9GD010824735	J	Spring 1
153	9GD010824736	J	Spring 2
154	9GD010824737	J	Spring SL
155	9GD010824738	J	Spring SR
156	9GD010814739	J	Spring Gear B
157	9GD660934117H	J	Disc 2 Carriage Ass'y
158	9GD660934118H	J	Disc 3 Carriage Ass'y
159	9GD660934119H	J	Disc 4 Carriage Ass'y
160	9GD660934120H	J	Disc 5 Carriage Ass'y
161	9GDGSL20A2606	J	Screw, ø2.5×6mm
162	9GDGSP14A2504	J	Screw, ø2.5×4mm
163	9GDGSL15A2616	J	Screw, ø2.5×16mm
164	9GDGSL15A2608	J	L Screw, ø2.5×8mm
165	9GD033004585	J	Screw, ø2×6mm
166	9GD033004581	J	Screw, ø2×3mm
167	9GD033004577	J	Screw, ø2×16mm
168	GWP65X110030	J	Washer
169	9GD020834262	J	Belt
170	9GD033004584	J	Screw, ø2.5×5mm

CABINET PARTS

201	CPNLCA005SJ01	J	Front Panel Ass'y [XL-DV5]
201	CPNLCA005SJ03	J AU	Front Panel Ass'y [XL-DV50]
201- 1	—	—	Front Panel
201- 2	HDECQA024SJSA	J AF	Decoration Panel,Center
201- 3	HDECQA034SJSA	J AF	Window [XL-DV50]
201- 3	HDECQA037SJSA	J	Window [XL-DV5]
201- 4	LHLDZA028SJSA	J AD	Holder, Jog Knob
201- 5	PCUSG0017SJSA	J AB	Cushion, Leg
202	GCABCA011SJSA	J	Top Cabinet [XL-DV5]
202	GCABCA011SJSB	J AM	Top Cabinet [XL-DV50]
203	GCABDA012SJSA	J	Chassis, Main [XL-DV5]
203	GCABDA012SJSB	J	Chassis, Main [XL-DV50]
204	GCOVAA005SJ03	J	Changer Cover Ass'y [XL-DV5]
204	GCOVAA005SJ04	J	Changer Cover Ass'y [XL-DV50]
204- 1	—	—	Changer Cover
204- 2	HDECQA033SJSA	J AE	Panel, Changer Cover
205	GCOVAA006SJSA	J AD	Indicator
206	GCOVAA007SJSA	J AD	Cover, Sensor
207	GITARA012SJSA	J	Rear Panel [XL-DV5]
207	GITARA017SJSA	J AH	Rear Panel [XL-DV50]
208	GITASA007SJSA	J	Side Panel, Left [XL-DV5]
208	GITASA007SJSB	J AM	Side Panel, Left [XL-DV50]
209	GITASA008SJSA	J	Side Panel, Right [XL-DV5]
209	GITASA008SJSB	J AM	Side Panel, Right [XL-DV50]
210	JKNBKA002SJSA	J AF	Knob, Jog
211	JKNBZA008SJSA	J	Button, OPEN/CLOSE [XL-DV5]
211	JKNBZA008SJSB	J AD	Button, OPEN/CLOSE [XL-DV50]
212	JKNBZA009SJSA	J	Button, X-BASS [XL-DV5]
212	JKNBZA009SJSB	J AF	Button, X-BASS [XL-DV50]
213	JKNBZA010SJSA	J AE	Button, TUNER
214	JKNBZA011SJSA	J AD	Button, POWER
215	JKNBZA023SJSA	J AG	Button, PLAY
216	JKNBZA014SJSA	J	Button, CD Select, A [XL-DV5]
216	JKNBZA014SJSB	J AE	Button, CD Select, A [XL-DV50]
217	JKNBZA015SJSA	J	Button, CD Select, B [XL-DV5]
217	JKNBZA015SJSB	J AE	Button, CD Select, B [XL-DV50]
218	CFANP0001SJ06	J	Fan Motor Ass'y
218- 1	LANGKA015SJFW	J	Bracket, Fan Motor
218- 2	MSPRKA0001SJFJ	J AC	Spring, Fan Stopper
218- 3	NFANP0001SJSA	J AG	Fan
218- 4(M201)	RMOTV0409AFZZ	J AL	Motor, Air Cooling Fan
219	KMECZA003SJZZ	J BL	CD Changer Unit Ass'y
△ 220	KRPLE0026JSM2	J	DVD Mechanism Unit Ass'y
221	LANGKA005SJFW	J AB	Bracket, Main PWB
222	LANGKA016SJFW	J	Bracket, PWB
223	LANGKA019SJFW	J	Bracket, DVD PWB, Front L
224	LANGKA020SJFW	J	Bracket, DVD PWB, Rear L
225	LANGKA021SJFW	J	Bracket, DVD PWB, Front R
226	LANGKA022SJFW	J	Bracket, DVD PWB, Rear R
227	LANGKA031SJFW	J	Bracket, Sub Chassis L
228	LANGKA032SJFW	J	Bracket, Sub Chassis R
229	LCHSSA002SJFW	J	Chassis, Sub
230	LHLDW1001SJZZ	J AD	Nylon Band
231	LHLDZA011SJSA	J AC	Holder, FL Display
232	LHLDZA018SJZZ	J AB	Holder, LED
233	MSPRKA001SJFW	J AC	Plate Spring, IC
234	MSPRKA002SJFW	J	Plate Spring, A
235	MSPRKA003SJFW	J	Plate Spring, B
236	MSPRKA004SJFW	J	Plate Spring, C
237	PCOVSA003SJZZ	J	Cover, Display PWB
238	PCOVZA005SJFW	J	Cover, Transformer
239	PCUSG0017SJSA	J AB	Cushion, Leg
240	PRDARA008SJFW	J	Heat Sink, Main
241	PRDARA009SJFW	J	Heat Sink, A
242	PRDARA010SJFW	J	Heat Sink, B
243	PRDARA011SJFW	J	Heat Sink, C
244	PSHEZA002SJZZ	J	Silicon Sheet
245	PSPAIA002SJZZ	J AB	Spacer, PWB
△ 246	QFSDH1013CEZZ	J AB	Holder, Fuse
247	9GD450633201	J	Insulator (Purple)
248	9GD450633202	J	Insulator (Gray)
250	TLABS0042SJZZ	J AB	Label, Laser
251	TLABZA023SJZZ	J	Label, Licence
601	LX-JZ0001SJFD	J AA	Screw, ø3×10mm
602	LX-JZ0002SJFD	J AD	Screw, Special
605	XHBSD20P03000	J AA	Screw, ø2×3mm
606	XHBSD30P06000	J AA	Screw, ø3×6mm
607	XHBSD30P12000	J AA	Screw, ø3×12mm
608	XHBSF30P06000	J AA	Screw, ø3×6mm

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
609	XHBSF30P08000	J	AA	Screw,ø3×8mm
610	XJBSD25P08000	J	AC	Screw,ø2.5×8mm
611	XJBSD25P10000	J	AD	Screw,ø2.5×10mm
612	XJBSD30P06000	J	AA	Screw,ø3×6mm
613	XJBSD30P08000	J	AA	Screw,ø3×8mm
614	XJBSD30P10000	J	AA	Screw,ø3×10mm
615	XJBSEF30P08000	J	AA	Screw,ø3×8mm
616	XJBSEF30P10000	J	AA	Screw,ø3×10mm
617	XJBSEF30P12000	J	AA	Screw,ø3×12mm
618	XJPSEF30P06000	J	AA	Screw,ø3×6mm

SPEAKER BOX PARTS

B3CPDV5F	J	Speaker Box Ass'y,L-CH/R-CH [XL-DV5]
B3CPDV5SW	J	Sub Woofer Box Ass'y [XL-DV5]
B3CPDV50F	J	Speaker Box Ass'y,L-CH/R-CH [XL-DV50]
B3CPDV50SW	J	Sub Woofer Box Ass'y [XL-DV50]

ACCESSORIES

△	QACCU0003SJ00	J	AH	AC Power Supply Cord
	QANTL0009SJZZ	J	AG	FM/AM Loop Antenna
	QCNWGA004SJZZ	J	AL	Video Cord
	TINSEA016SJZZ	J	AF	Operation Manual
	TINSEA017SJZZ	J	AD	Quick Guide
	RRMCGA007SJSA	J	AR	Remote Control
△	GCOVAA026SJSA	J		Battery Lid,Remote Control

P.W.B. ASSEMBLY (Not Replacement Item)

△	PWB-A1,2	DCEKKV421SJ03	J	—	Power/Tuner
	PWB-B1~3	DCEKNV421SJ03	J	—	Display/Video Terminal/Jack
	PWB-C	DCEKDV421SJ03	J	—	DVD

OTHER SERVICE PARTS

UDSKA0004AFZZ	J	AZ	CD Optical Pickup Lens Cleaner Disc
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XL-DV5/DV50

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
INTEGRATED CIRCUITS			
U1	VHI7404-14P-1	J	Audio D/A Converter,WM8746
U2	VHIES6629F/-1	J	Logic,7404
U3	VHINJM4558D-1	J AH	8D Trigger,74HC374
U4	VHIWM8746//--1	J	Amp.,4558
U5	VHI24C02///-1	J	Amp.,4558
U6	VHI3664164T-1	J	Amp.,TL3472
U7	VHITL3472/-1	J	RF Amp.,ES6603S
U8	VHINJM4558D-1	J AH	Motor Driver,AT5654H
U9	VHIV6300-5L-1	J	Decoder,ES6629F
U10	VHIA75654H/-1	J	EEPROM,24C02
U12	VHI74HC374/-1	J	Reset,V6300
U13	VHIES6603S/-1	J	64M SD-RAM,3664164T
U15	RH-IXA024SJZZ	J	Flash ROM,IXA024SJ

TRANSISTORS

Q1~3	VSAMS1117//--1	J	Voltage Regulator,AMS1117
Q5	VS2N2907///+1	J	Silicon,PNP,2N2907
Q10,11	VS2SB1132//--1	J	Silicon,PNP,2SB1132
Q12,13	VS2SK3018//--1	J	N-ch FET,2SK3018
Q14,15	VS2N3904///+1	J AB	Silicon,NPN,2N3904
Q16~20	VSBA754S//--1	J	Zener,BAT54S
Q21	VS2SC8050//--1	J	Silicon,NPN,2SC8050

DIODES

D1,2	VHDRLS4148/-1	J	Silicon,RLS4148
D3,4	VHDRLS4001/-1	J	Silicon,RLS4001
D6	VHDRLS4148/-1	J	Silicon,RLS4148
D7	VHDRLS3R9B/-1	J	Zener,4.0V/0.5W,RLS3.9B
D8,9	VHDRLS4148/-1	J	Silicon,RLS4148

COILS

L12	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L13	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L14	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L15	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L16	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L17	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L18	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L19	RBLN-A001SJZZ	J	Ferrite Bead,120 ohms
L28	RBLN-A002SJZZ	J	Ferrite Bead,220 ohms
L30	RBLN-A002SJZZ	J	Ferrite Bead,220 ohms
L32	RBLN-A002SJZZ	J	Ferrite Bead,220 ohms
L33	RBLN-A002SJZZ	J	Ferrite Bead,220 ohms
L34	RBLN-A002SJZZ	J	Ferrite Bead,220 ohms
L1~11	RBLN-A002SJZZ	J	Ferrite Bead,220 ohms
L21	RCILCA002SJZZ	J	10 μH
L23~27	RCILCA003SJZZ	J	2.4 μH
L35	RCILCA004SJZZ	J	3.3 μH

VIBRATORS

G1	RCSRPA010SJZZ	J	Crystal,27 MHz
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CAPACITORS

C1~12	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C13	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C14~16	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C17~27	VCKYCY1CB104Z	J	0.1 μF,16V
C29~59	VCKYCY1CB104Z	J	0.1 μF,16V
C61~84	VCKYCY1CB104Z	J	0.1 μF,16V
C85~88	VCCCCY1CH471J	J	470 pF (CH),16V
C89,90	VCCCCY1CH221J	J	220 pF (CH),16V
C91	VCCCCY1CH471J	J	470 pF (CH),16V
C94	VCCCCY1CH221J	J	220 pF (CH),16V
C95	VCCCCY1CH471J	J	470 pF (CH),16V
C96	VCCCCY1CH221J	J	220 pF (CH),16V
C97	VCCCCY1CH471J	J	470 pF (CH),16V
C98~115	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C117~119	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C120~124	RC-GZA227AF1C	J AB	220 μF,16V,Electrolytic
C125~127	VCCCCY1CH151J	J	150 pF (CH),16V
C128~130	VCCCCY1CH220J	J	22 pF (CH),16V
C131~140	VCKYCY1CB102K	J	0.001 μF,16V

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
C141	VCKYCY1CB104Z	J	0.1 μF,16V
C142,143	VCKYCY1CB103M	J	0.01 μF,16V
C144~147	VCKYCY1CB222K	J AA	0.0022 μF,16V
C148	VCCCCY1CH151J	J	150 pF (CH),16V
C149	VCKYCY1CB333M	J	0.033 μF,16V
C150	VCKYCY1CB821K	J	820 pF,16V
C151	VCKYCY1CB224Z	J	0.22 μF,16V
C152	VCCCCY1CH121J	J	120 pF (CH),16V
C153,154	VCKYCY1CB473M	J	0.047 μF,16V
C155~157	RC-GZA476AF1C	J AB	47 μF,16V,Electrolytic
C158	VCKYCY1CB104Z	J	0.1 μF,16V
C159~161	VCKYCY1CB472K	J	0.0047 μF,16V
C162,163	VCCCCY1CH101J	J	100 pF (CH),16V
C164~166	VCCCCY1CH330J	J	33 pF (CH),16V
C167	VCKYCY1CB682K	J	0.0068 μF,16V
C168~170	VCKYCY1CB105Z	J	1 μF,16V
C171~173	VCKYCY1CB153M	J	0.015 μF,16V
C174,175	VCCCCY1CH270J	J	27 pF (CH),16V
C176~178	VCKYCY1CB561K	J	560 pF,16V
C179	RC-GZA475AF1C	J AB	4.7 μF,16V,Electrolytic
C180	VCCCCY1CH470J	J	47 pF (CH),16V
C181~186	VCCCCY1CH220J	J	22 pF (CH),16V
C187,188	VCKYCY1CB102K	J	0.001 μF,16V

RESISTORS

R1,2	VRS-CY1JB6810	J	681 ohms,1/16W
R3~5	VRS-CY1JB4120	J	412 ohms,1/16W
R6~34	VRS-CY1JB330J	J AA	33 ohms,1/16W
R35	VRS-CY1JB3R3J	J AA	3.3 ohms,1/16W
R36	VRS-CY1JB2490	J	249 ohms,1/16W
R38,39	VRS-CY1JB000J	J AA	0 ohm,Jumper,0.8×1.55mm,Green
R40	VRS-CY1JB680J	J AA	68 ohms,1/16W
R41,42	VRS-CY1JB000J	J AA	0 ohm,Jumper,0.8×1.55mm,Green
R44,45	VRS-CY1JB000J	J AA	0 ohm,Jumper,0.8×1.55mm,Green
R49	VRS-CY1JB3R3J	J AA	3.3 ohms,1/16W
R53,54	VRS-TV2AB750J	J	75 ohms,1/10W
R63~72	VRS-CY1JB102J	J AA	1 kohm,1/16W
R73	VRS-CY1JB000J	J AA	0 ohm,Jumper,0.8×1.55mm,Green
R75~80	VRS-CY1JB000J	J AA	0 ohm,Jumper,0.8×1.55mm,Green
R82	VRS-CY1JB000J	J AA	0 ohm,Jumper,0.8×1.55mm,Green
R83~90	VRS-CY1JB332J	J AA	3.3 kohms,1/16W
R91~104	VRS-CY1JB104J	J AA	100 kohm,1/16W
R105~108	VRS-CY1JB183J	J AA	18 kohms,1/16W
R109,110	VRS-CY1JB912J	J AA	9.1 kohms,1/16W
R111	VRS-CY1JB392J	J AA	3.9 kohms,1/16W
R112~117	VRS-CY1JB100J	J AA	10 ohm,1/16W
R118~127	VRS-CY1JB103J	J AA	10 kohm,1/16W
R129	VRS-CY1JB106J	J AA	10 Mohm,1/16W
R130,131	VRS-CY1JB105J	J AA	1 Mohm,1/16W
R133~144	VRS-CY1JB472J	J AA	4.7 kohms,1/16W
R145~147	VRS-CY1JB223J	J AA	22 kohms,1/16W
R148,149	VRS-CY1JB152J	J AA	1.5 kohms,1/16W
R150,151	VRS-CY1JB122J	J AA	1.2 kohms,1/16W
R152	VRS-CY1JB471J	J AA	470 ohms,1/16W
R153	VRS-CY1JB123J	J AA	12 kohms,1/16W
R154	VRS-CY1JB101J	J AA	100 ohm,1/16W
R155~158	VRS-CY1JB1R0J	J AA	1 ohm,1/16W
R159,160	VRS-CY1JB473J	J AA	47 kohms,1/16W
R161~163	VRS-CY1JB333J	J AA	33 kohms,1/16W
R164	VRS-CY1JB123J	J AA	12 kohms,1/16W
R165~168	VRS-CY1JB682J	J AA	6.8 kohms,1/16W
R169~173	VRS-CY1JB820J	J AA	82 ohms,1/16W
R174,175	VRS-CY1JB512J	J AA	5.1 kohms,1/16W
R176	VRS-CY1JB683J	J AA	68 kohms,1/16W
R177	VRS-CY1JB3920	J	392 ohms,1/16W
R178	VRS-CY1JB203J	J AA	20 kohms,1/16W
R179	VRS-CY1JB151J	J AA	150 ohms,1/16W
R180~182	VRS-CY1JB000J	J AA	0 ohm,Jumper,0.8×1.55mm,Green
RN1~3	VRS-CB1JF100J	J	10 ohm,1/16W,Resistors Array

OTHER CIRCUITRY PARTS

J1	QCNCM999DAFZZ	J AG	Plug,4Pin
J2	QCNCM999GAFZZ	J AD	Plug,7Pin
J3	QCNCM999MAFZZ	J AC	Plug,12Pin
J4	QCNCM999FAFZZ	J AE	Plug,6Pin
J5	QCNCMA019SJ07	J	Plug,7Pin
JP1B	QCNCWA020SJ26	J	Socket,26Pin

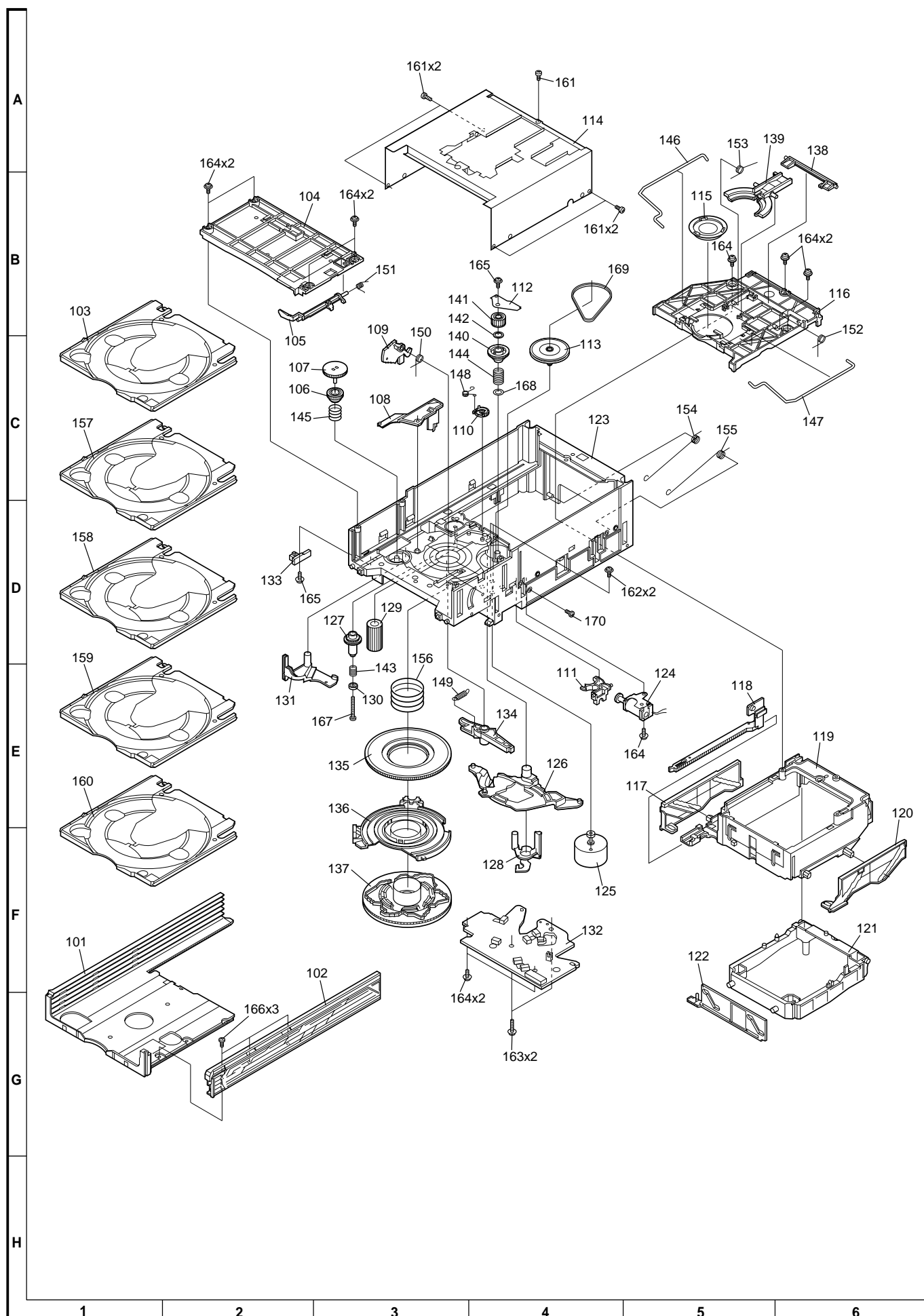


Figure 8 CD CHANGER MECHANISM EXPLODED VIEW

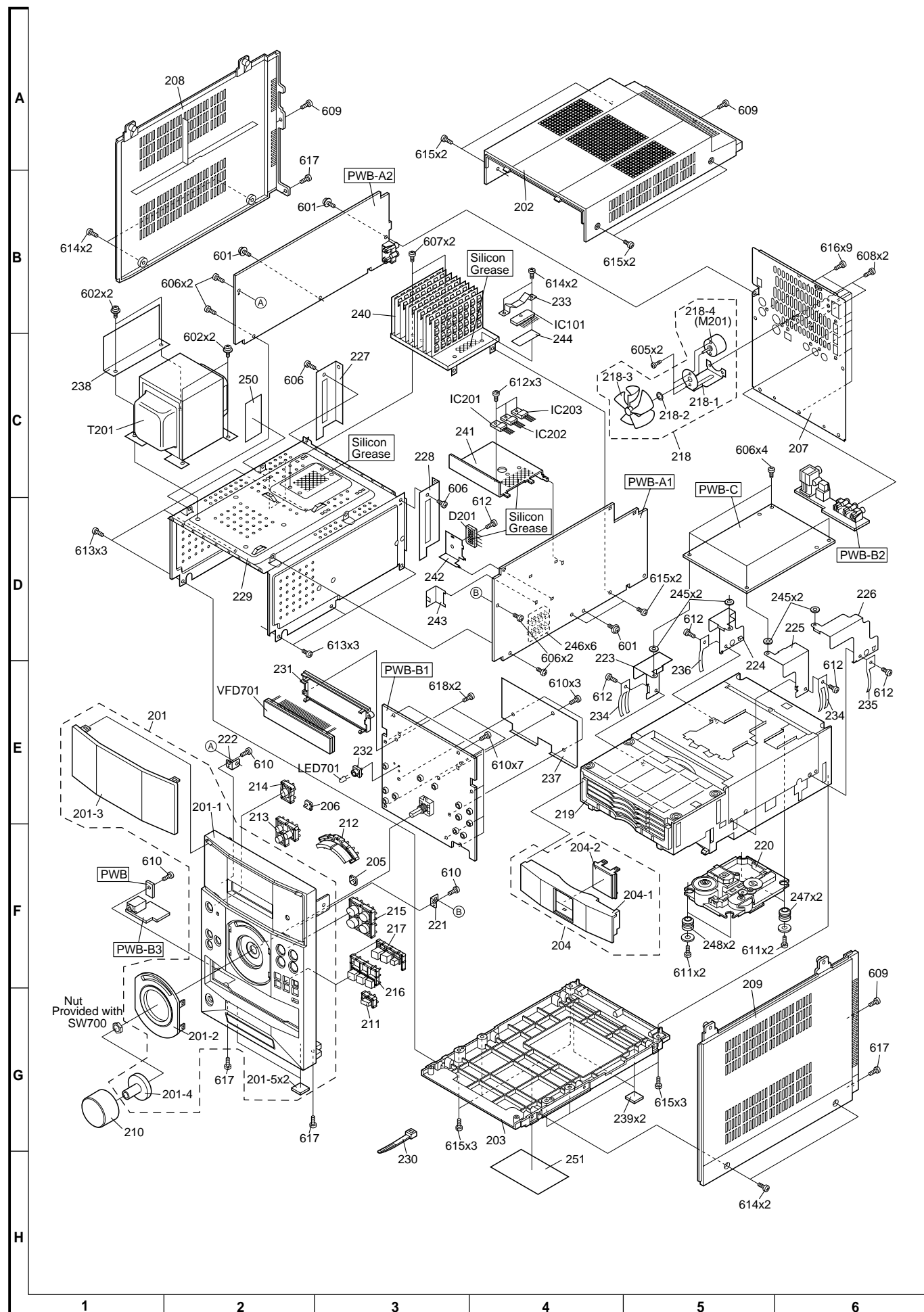


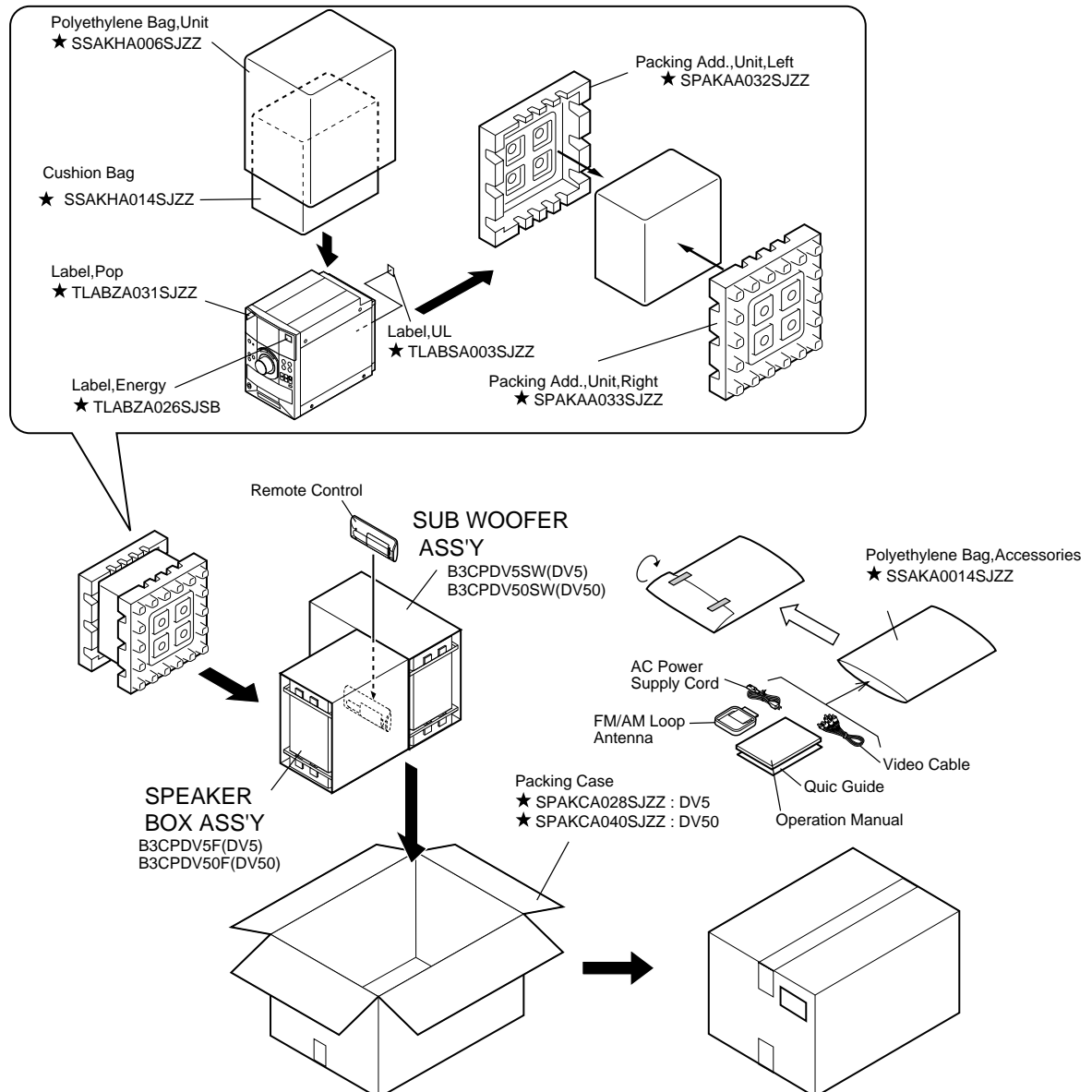
Figure 9 CABINET EXPLODED VIEW

PACKING METHOD (FOR U.S.A. ONLY)

Setting position of switches and knobs

DVD Lid

CLOSE



SHARP

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